marantz®

Model SR7000 User Guide

AV Surround Receiver

ENGLISH

WARRANTY

For warranty information, contact your local Marantz distributor.
RETAIN YOUR PURCHASE RECEIPT
Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

FRANÇAIS

GARANTIE

Pour des informations sur la garantie, contacter le distributeur local Marantz.

CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sur pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH

GARANTIE

Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

HEBEN SIE IHRE QUITTING GUT AUF

Die Quittung dient Ihnen als bleibende Unterlage für Ihren wertvollen Einkauf Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungswecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

WICHTIG!

Bei Garantiefragen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihren Quittung oder Rechnung ist als Unterlage ausreichend.

NEDERLANDS

GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke Marantz.

UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt, verwijzing bijv, in verbend met verzekering of bij correspondentie met Marantz.

BELANGRIJK

Bij een evt, beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuurzijn voldoende bewijs.

ESPAÑOL

GARANTIA

Para obtener información acerca de la garantia póngase en contacto con su distribuidor Marantz.

GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor, Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o sé ponga en contacto con Marantz.

IMPORTANTE

Cuando solicite el servicio otorgado por la garantia el usuario tiene la responsabilidad de demonstrar cuá¥do efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

ITALIANO!

Condizioni di garanzia

L'apparecchio e' garantito per 365 giorni dalla data di acquisto comprovata da un documento attestante il nominativo del rivenditore e la data di vendita. La garanzia sara' prestata con la sostituzione o riparazione gratuita delle parti difettose.
Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di tunzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.
Gli apparecchi verranno riparati presso i nostri Centri di Assistenza. Le spese ed i rischi di trasporto sono a carico del cliente.
La casa costruttrice declina ogni responsabilita' per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale.
Per informazioni sull'abbonamento al Servizio Assistenza postgaranzia e per conoscere l'indirizzo dei Centri Assistenza Marantz rivolgetevi al nostro servizio consumatori (telefono 1678-20026 - numero verde).

PORTUGUÊS

GARANTIA

Para informações sobre a garantia, contactar o distribuidor Marantz local.

GUARDAR O RECIBO DE COMPRA

O recibo é o registo permanente da compra que fez. Deve ser guardado num local seguro, para ser apresentado em questões relacionadas com o seguro ou para quando tiver de contactar a Marantz.

IMPORTANTE

Quando procurar assisténcia técnica ao abrigo da garantia, é da responsabilidade do consumidor estabelecer a prova e data de compra. O recibe é prova adequada.

SVENSKA

GARANTI

För information om garantin, kontakta Marantz lokalagent.

SPAR KVITTOT

Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens mod Marantz.

VIKTIGT

Fö att garantin skall gälla är det kundens sak att framställa bevis och datum om köpet. Kvitto eller faktura är tillräokligt bevis fö detta.

DANSK

GARANTI

Henvend dem til Deres MARANTZ-forhandler angående inrformation om garantien.

GEM DERES KVITTERING

Deres købskvittering er Deres varige bevis på et dyrt køb. Den bør gemmes godt og anvendes som bevis, hvis De vil tegne en forsikring, eller hvis De kommunikerer med Marantz.

VIGTIGT

Det påhviler forbrugeren at skaffe bevis for købet og købsdatoen, hvis han eller hun ønsker garantiservice. Deres købskvittering eller faktura er et fuldgyldigt bevis herpå.

TABLE OF CONTENTS

ENGLISH

INTRODUCTION 3
DESCRIPTION 3
FEATURES 3
FRONT PANEL FEATURES 4
REAR PANEL CONNECTIONS 5
REMOTE CONTROL UNIT RC7000SR 8
OPERATION OF REMOTE CONTROL UNIT 8
SET-UP 10
ON SCREEN DISPLAY MENU SYSTEM 10
OSD MAIN MENU 11
SYSTEM SETUP 11
SPEAKERS SETUP 12
SURROUND MODE 13
CHANNEL LEVEL CONTROL 13
MULTI ROOM SETUP 13
BASIC OPERATION 14
LISTENING TO THE TUNER 14
RDS OPERATION 15
PLAYBACK OPERATION 16
OTHER FUNCTIONS 16
SETTING THE SLEEP TIMER 16
TV AUTO ON/OFF FUNCTION 16
MULTI ROOM SELECTOR 17
ON SCREEN DISPLAY INFOMATION 17
REMOTE CONTROL UNIT RC7000SR 19
MAIN FEATURES & FUNCTIONS 19
NAMES OF PARTS & FUNCTIONS 19
BASIC OPERATION 21
OTHER FUNCTIONS 27
BATTERY LIFE 27
NUMBER OF LEARNABLE CODES 27
JOG DIAL COMMAND FUNCTIONS LISTING 28
SURROUND MODES 29
TROUBLESHOOTING 31

ENGLISH

FOREWORD

This section must be read before any connection is made to the mains supply.

WARNINGS

Do not expose the equipment to rain or moisture.
Do not remove the cover from the equipment.
Do not push anything inside the equipment through the ventilation holes.
Do not handle the mains lead with wet hands.

EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area. SR7000 can be powered by 230 V AC only.

IMPORTANT: (For UK version)

This apparatus is fitted with an approved moulded 13 Amp plug.
To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 13A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.
If the mains plug contains a fuse, this should have a value of 13A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Note:
The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured in accordance with the following code:
BLUE—"NEUTRAL" ("N")
BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead — not simply over the two wires.

COPYRIGHT

Recording and playback of any material may require consent. For further information refer to the following:

— Copyright Act 1956
— Dramatic and Musical Performers Act 1958
— Performers Protection Acts 1963 and 1972
— any subsequent statutory enactments and orders

ABOUT THIS USER GUIDE

Refer to the figures on page iv of this user guide. The numbers on the figures correspond to those in the text. All references to the connections and controls that are printed in **BOLD** type are as they appear on the unit.

PRECAUTIONS

The following precautions should be taken when operating the equipment.

GENERAL PRECAUTIONS

When siting the equipment ensure that:

— the ventilation holes are not covered;
— air is allowed to circulate freely around the equipment
— it is on a vibration free-surface;
— it will not be exposed to interference from an external source;
— it will not be exposed to excessive heat, cold, moisture or dust;
— it will not be exposed to direct sunlight;
— it will not be exposed to electrostatic discharges

Never place heavy objects on the equipment.
If a foreign body or water does enter the equipment, contact your nearest dealer or service centre.
Do not pull out the plug by pulling on the mains lead, hold the plug.
It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

PRECAUTIONS IN CONNECTION

- Be sure to unplug the power cable from the AC outlet or turn off the POWER switch before proceeding with any connection.
- Connect one cable at a time observing the "input" and "output".
  This will avoid any cross connection between channels and signal inputs and outputs.
- Insert the plugs securely. Incomplete connection may result in noise.
- Prior to connecting other audio and video equipment to the SR7000, please read their owner's manuals.

INSTALLATION

If this unit or another electronic device incorporating a microcomputer is used at the same time with the tuner or television, picture disturbance or noise may occur. In such a case, install the unit according to the following guide points.

- Separate the unit as far as possible from the tuner or television.
- Place the antenna wire for the tuner or TV apart from the power cable and audio and video connection cables of this unit.
- Since the phenomenon is likely to occur when using an indoor antenna and/or 300-ohm feeder wire, we recommend using an outdoor antenna and 75-ohm coaxial cable.

INTRODUCTION

Thank you for purchasing the Marantz SR7000 DTS/Dolby Digital Surround receiver.
This remarkable component has been engineered to provide you with many years of home theater enjoyment.
Please take a few minutes to read this manual thoroughly before you connect and operate the SR7000.
As there are a number of connection and configurations options, you are encouraged to discuss your own particular home theater setup with your Marantz A/V specialist dealer.

DESCRIPTION

DIGITAL dts SURROUND

DTS was introduced in 1994 to provide 5.1 channels of discrete digital audio into home theater systems.
DTS brings you premium quality, discrete multi-channel digital sound to both movies and music.
DTS is a multi-channel sound system designed to create full range digital sound reproduction.
The no compromise DTS digital process sets the standard of quality for cinema sound by delivering an exact copy of the studio master recordings to neighborhood and home theaters.
Now, every moviegoer can hear the sound exactly as the moviemaker intended.
DTS can be enjoyed in the home for either movies or music on DVD's, LD's, and CD's.

DOLBY DIGITAL

Dolby Digital lets you enjoy Digital TV, Digital Satellite as well as DVD and LD software in digital surround, which is the next step above Dolby Pro Logic.
In comparison with Dolby Pro Logic, Dolby Digital can provide separate left and right surround channels, for more precise localization of sounds and a more convincing, realistic ambience. And, with Dolby Digital, all five main channels can be full range and a subwoofer can be added to each channel ,if desired. By providing up to 5.1channels of digital audio independently, Dolby Digital lets you enjoy better sound quality and more powerful presence than conventional Dolby Surround.

"Dolby", "AC-3", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.
"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

FEATURES

- Dolby Digital and DTS surround sound decoding, plus Dolby Pro Logic decoding and a variety of additional surround modes.
- 96 kHz/ 24 bit decoding for highest possible fidelity and bandwidth, and high-resolution playback of 96 kHz/ 24 bit PCM audio sources.
- 100 watts to each of the five main channels; the power amp section features advanced, premium high-storage power supply capacitors, and fully discrete output stages housed in cast aluminum heat sinks .
- 5.1 channel pre-amp outputs for connection to external components such as a subwoofer and external power amplifiers.
- Six-channel direct inputs accommodate future surround sound formats or an external digital decoder.
- 5 Digital inputs, for connection to other sources, such as DVD, DSS, CD or LD.
- 2 Digital outputs for connection to CD-R or MD.
- High-quality AM (MW/LW) /FM tuner with 50 station presets.
- Source Direct switch bypasses, tone controls and bass management for purest audio quality.
- S-video and composite video switching .
- On- Screen- Display with both Composite and "S" video.
- Front panel A/V inputs, with S-video .
- Easy to use, on-screen menu.
- Multi-room capability offers independent control of a second room audio and video system.
- Supplied with RC7000SR Programmable Learning Remote Control.
- Radio Data System (RDS) provides information on FM broadcasts.

ENGLISH

FRONT PANEL FEATURES (SEE PAGE iii.)

① POWER switch and STANDBY indicator

When this switch is pressed once, the unit turns ON and display appears on the display panel. When pressed again, the unit turns OFF and the STANDBY indicator lights.
When the STANDBY indicator lights, the unit is NOT disconnected from the AC power.

② PHONES jack for stereo headphones

Conventional dynamic headphones can be plugged in here.

Notes:

When using headphones, the surround mode is switched automatically to STEREO and the sound from the speakers is muted. The surround mode returns to the previous setting as soon as the plug is removed from the jack.

③ SURROUND MODE Selector knob

When this knob is turned, the surround mode is switched in the following sequence.

AUTO ⟷ DTS-cinema ⟷ DTS-music ⟷ DOLBY
↕ ↕
STEREO ⟷ 5 STEREO ⟷ MATRIX ⟷ HALL ⟷ MOVE

Note:

Not all modes will be present if an analog input is selected.

④ VOLUME control knob

Adjusts the overall sound level. Turning the control clockwise increases the sound level.

⑤ FUNCTION SELECTOR buttons (AUDIO/ VIDEO)

These buttons are used to select the sources.
The video function selector, such as TV , LD, DVD , VCR1 , DSS/ VCR2, and AUX, selects video and audio simultaneously.
Audio function sources such as CD, TAPE , CDR/MD ,and TUNER may be selected in conjunction with a Video source.
This feature (Sound Injection) combines a sound from one source with a picture from another.
Choose the video source first, and then choose a different audio source to activate this function.

⑥ 6CH INPUT button

Press this button to select the output of an external multi channel decoder.

⑦ A/D (Analog/Digital) SELECTOR button

This is used to select between the analog and digital inputs.

Note:

This button is not used for an input source that is not connected to a digital input.

⑧ S. (Source) DIRECT button

When this button is pressed, the tone control circuitry is bypassed as well as Bass Management.

Notes:

The surround mode is automatically switched to AUTO when the source direct function is turned on.
Additionally, Speaker Configurations are fixed automatically as follow.
Front SPKR = Large
Center SPKR = Large
Surround SPKR = Large
Sub woofer = On

⑨ MULTI (Multi Room) button

Press this button to switch the unit to multi room mode. "MULTI ROOM" appears in the display.

⑩ SLEEP button

Set the sleep timer function with this button .

⑪ DISPLAY OFF button

When this button is pressed, the display is turned off and the display off indicator lights up (DISP).
Press this button again to turn the display ON again.

⑫ MUTE button

Press this button to mute the output to the speakers. Press it again to return to the previous volume level.

⑬ CLEAR button

Press this button to cancel the station memory setting mode or preset scan tuning.

⑭ MEMORY button

Press this button to enter the tuner preset memory numbers and station names.

⑮ TUNING / PRESET UP and DOWN buttons

During reception of AM (MW/LW) or FM, you can scan the other frequencies or select another preset station pressing these buttons.

⑯ FREQUENCY / PRESET buttons

During reception of AM (MW/LW) or FM, you can change the function of the UP/DOWN buttons for scanning frequencies or selecting preset stations by pressing these buttons.

⑰ FM MODE button

Press this button to select the auto stereo mode or mono mode when the FM band is selected. The AUTO indicator lights in the auto stereo mode.

⑱ INFRARED SENSOR window

This window receives infrared signals from the remote control unit.

⑲ ENCODED CHANNEL STATUS indicators

These indicators display the channels that are encoded with a digital input signal.
If the selected digital input signal is Dolby Digital 5.1ch or DTS 5.1ch, "L", "C", "R", "LS", "RS" and "LFE" will light up.
If the digital input signal is 2 channel PCM-audio, "L" and "R" will be displayed.

Note:

These indicators are only active with a digital input.

⑳ PEAK indicator

This indicator is a monitor for an analog audio input signal.
If the selected analog audio input signal is greater than the capable level of internal processing, will light.
If this happens, you should press the ATT button.

㉑ AUX input jacks

These auxiliary video/audio input jacks accept the connection of a camcorder, portable VCR, etc.

REAR PANEL CONNECTIONS (SEE PAGE iii.)

All connections to the rear panel should be made with the entire system powered off.
To avoid errors, it is advisable to connect one cable at a time between the various components.

Ⓐ FM antenna terminal (75 ohms)

Connect an external FM antenna with a coaxial cable, or a cable network FM source.

AM antenna and ground terminals

Connect the supplied AM loop antenna. Use the terminals marked "AM" and "GND".
The supplied AM loop antenna will provide good AM reception in most areas.
Position the loop antenna until you hear the best reception.

Ⓑ Three analog audio inputs

CD, TAPE, and CD-R/MD
Connect the audio outputs of your source components to the input jacks on the receiver.

Ⓒ Two analog audio outputs for audio source equipment

TAPE and CD-R/MD
Connect each output to the audio inputs (REC in) of your recording equipment.

Ⓓ Five analog audio inputs for video source equipment

TV,LD,DVD, VCR1, and DSS/VCR2
Connect each input to the audio outputs of your video source equipment.

Ⓔ Two analog audio outputs for video source equipment

VCR1, and DSS/VCR2
Connect each output to the audio inputs (REC in) of your video recording equipment.

Ⓕ Five video inputs

Ex: TV,LD,DVD, VCR1, and DSS/VCR2
Connect each input to the video outputs of your video source equipment.

Ⓖ Two video outputs

VCR1, and DSS/VCR2
Connect each output to the video input (REC in) of your video recording equipment.

Ⓗ Five S-video inputs

Ex: TV,LD,DVD, VCR1,and DSS/VCR2
Connect each input to the S-video outputs of your video source equipment.

Ⓘ Two S-video outputs

VCR1, and DSS/VCR2
Connect each output terminals to S-video input (REC in) of your video recording equipment.

Ⓙ TV MONI. (VIDEO/S-VIDEO) output jacks

Connect the TV MONI jack to your TV's video input (VIDEO IN) jack.
You can connect your video equipment with S-VIDEO jacks if possible, or the composite VIDEO jacks.
You must use the same type of connection from your video player into the receiver, and out of the receiver into your TV.
Both must be composite video or both must be S-Video. You cannot convert a signal from one type to the other.

Ⓚ MULTI ROOM REMOTE I/O terminals

IN : Connect to multi-room remote control device, available from your Marantz dealer.
OUT : Connect to the Marantz component equipped with remote control (RC-5) terminals in another room (Second zone).

Ⓛ DC LEVEL control 1 & 2

This determines the output voltage (5-13 VDC) of the DC trigger jacks.

Ⓜ DC control output 1 & 2

Connect a device that needs to be triggered by DC under certain conditions (screen, power strip, etc...) Use the system setup menu (3/3) to determine the conditions by which these jacks will be active.

Note:
This output voltage is for (status) control only, It is not sufficient for drive capability.

Ⓝ REMOTE CONT. IN/OUT terminals

Connect to a Marantz component equipped with remote control (RC-5) terminals.

Ⓞ 6 CH INPUT jacks

Connect to the outputs of an external multichannel decoder.

Ⓟ PRE OUT jacks

Jacks for Front - L/R, Center and Surround.
Use these jacks for connection to an external power amplifier.

Ⓠ SUB WOOFER output jack

Connect to the input jack(s) of the power amplifier for subwoofer channel or powered subwoofer.

Ⓡ Five DIGITAL inputs

Dig.1,2,3 (coaxial) and Dig.4,5 (Optical)
Connect each input to the digital output of your source equipment.
Use the system setup menu to assign digital input to appropriate source. (see page. 11)

Note :
The coaxial connections are not for AC-3 RF from an LD, If you want to decode this type of signal, an external demodulator must be used.

Ⓢ Two DIGITAL outputs

Optical and Coaxial
Connect digital input of your digital recording equipment.

Ⓣ MULTI OUT jacks (Audio)

Connect to the input jacks of the amplifier used to drive the speakers in another room (Second zone).

Ⓤ MULTI OUT jack (Video)

Connect to the input jack of the TV monitor in another room (Second zone).

ENGLISH

Ⓥ SPEAKER terminals

FRONT Left & Right speakers output terminals
Connect to the front left & right speakers.
CENTER speaker output terminals
Connect to the center speaker.
SURROUND Left & Right speakers output terminals
Connect to the surround (rear) left & right speakers.

Ⓦ AC OUTLETS

Connect the power cables of components such as a DVD and CD player to these outlets. Both SWITCHED and UNSWITCHED outlets are provided.
The one marked SWITCHED provides power only when the SR7000 is turned on and is useful for components which you use every time you play your system.
The one marked UNSWITCHED is always live as long as the SR7000 is plugged into a live outlet.
A component connected here may be left on permanently, or may be switched off with its own power switch.

Caution:
In order to avoid potential turn-off thumps, anything plugged in here should be powered up BEFORE the SR7000 is turned on.

Ⓧ AC IN jack

Connect to AC power outlet.
This unit can be powered by 230 V AC only.

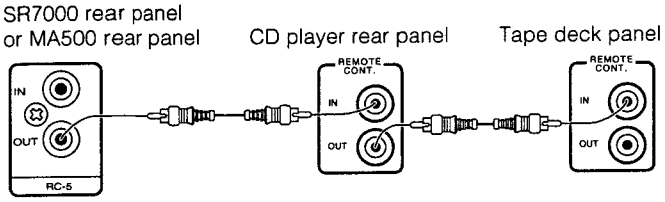
REMOTE CONTROL BUS CONNECTIONS

This unit is equipped with a remote control function.
By connecting this unit's remote control jacks to a Marantz CD player or tape deck equipped with remote control (RC-5) jacks, it allows system remote control to operate.
Connect **RC-5 OUT** jack of SR7000 to REMOTE CONT. IN of other Marantz equipment, i.e. CD player or Cassette deck, by using an RCA pin cable.

Note:

If a component equipped with remote control (RC-5) jacks has an INT/EXT switch on the rear panel, set the switch to EXT when using the system control function.

(Connection example)



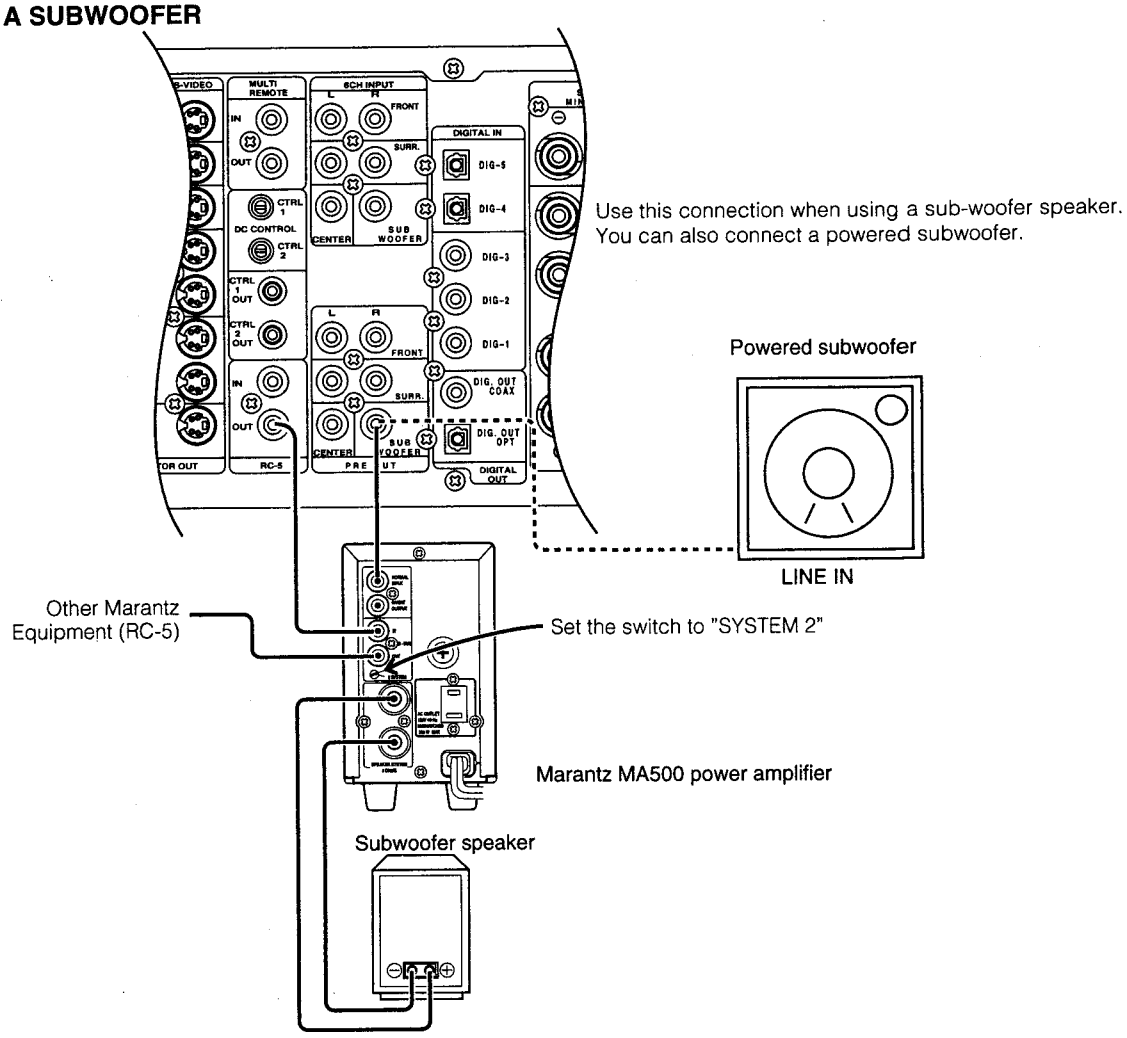
Controlling the power ON/OFF of a power amplifier connected to the SR7000 through Marantz remote control

1. If you connect the MA500 power amplifier to the SR7000, set the Bus System Selector switch of the MA500 to "System 2".
   Now the MA500 can be turned ON / OFF in synchronism with the power ON / OFF of the SR7000.

Notes:

- Be sure to connect the remote control bus before the procedure above.

CONNECTION FOR A SUBWOOFER



ENGLISH

REMOTE CONTROL UNIT RC7000SR

This chapter describes the functions which need to control the SR7000. See page 18 and following pages to refer other function of the RC7000SR.

[3] POWER ON and OFF buttons

These two buttons are use for turning on or off SR7000.

[6] Jog Dial control

Rotate this dial to select commands displayed on the LCD for each function.
Refer to follow.

[7] ENT buttons

Press this button to enter the selected command by the Jog Dial.

Function	Jog Dial command	Note
AMP	1 MODE	selects surround mode
	2 A/D	switches analog/digital input
	3 ATT	switches attenuator for analog input
	4 NIGHT	selects NIGHT mode for Dolby Digital
	5 MULTI	activates multi-room mode
	6 6-DIR	activates 6-channel input
	7 TRB+	increases treble
	8 TRB-	decreases treble
	9 BAS+	increases bass
	0 BAS-	decreases bass
TUNER	1 FM	FM band
	2 AM	AM/MW band
	3 LW	Long Wave band
	4 T-MOD	mono/stereo/muting mode selector
	5 SCAN	programmed preset channel scan
⊗	6 STM	selects station mode
⊗	7 AF	selects AF function
	8 PTY	selects PTY function
	9 DISP	selects display function
⊗	0 DWR	selects DSR wave range

The marked "⊗" commands are not used for SR7000.

[8] Function buttons

Press one of these buttons twice within 2 seconds to select the input function of SR7000.
Press one of these buttons once to change the state of remote commander.

[9] VOLUME ▲ up / ▼ down buttons

These buttons are used to raise and lower the SR7000's volume level.

[10] CURSOR buttons

The cursor buttons can be used to navigate within on-screen menus of SR7000.

[13] MUTE button

This button can be used to mute the sound temporarily.

[15] CLEAR button

This button is used to cancel certain memory or programming operations.

[16] MEMO button

This button is used to enter the tuner preset memory numbers and station names.

[17] TEN KEYPAD

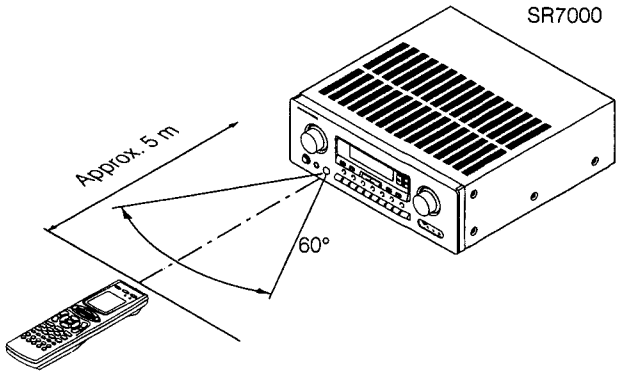
They are useful for tuning a pre-set radio station and setting a station name.

OPERATION OF REMOTE CONTROL UNIT

1. Remote control

The distance between the transmitter of the remote control unit and the IR SENSOR of the SR7000 should be less than about 5 meters. If the transmitter is pointed to a direction other than the IR SENSOR or if there is an obstacle between them, remote control may not be possible.

Remote-controllable range

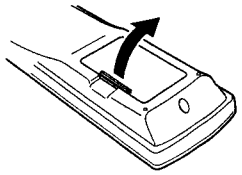


Remote control unit (RC7000SR)

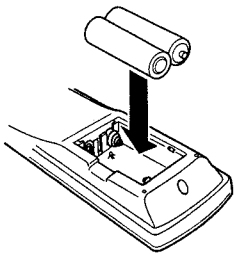
2. Loading batteries

The life of the batteries used with the remote control unit is about 4 months with normal use. Also be sure to replace batteries earlier when you notice that they are getting weak.

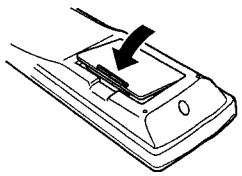
(1) Remove the back cover.



(2) Insert the new batteries (AA type) with correct (+) and (–) polarity.



(3) Close until it clicks.



3. Receiving the remote control codes

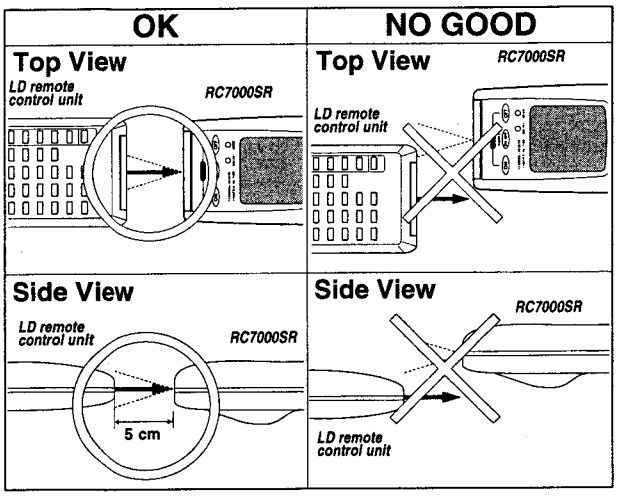
The RC7000SR can learn most of the remote control codes from various equipment, it learns the full word length of the code it is receiving.

Due to the sensitivity of the receiving LED the RC7000SR may also "learn" noise from fluorescent lights, etc. which can quickly fill up the memory of the RC7000SR.

In order to maximize the memory capacity of the RC7000SR please pay close attention to the following:

(1) Aim the transmitting remote control at a direct line of sight to the RC7000SR remote receiver eye.

(2) Keep 5 cm between transmitting remote and the RC7000SR receiving eye.



ENGLISH

SET-UP

After all components are connected, initial setup must be performed.

ON SCREEN DISPLAY MENU SYSTEM

The SR7000 incorporates an on-screen menu system, which makes various operations possible by using the cursor (**<**, **>**, **^**, **v**) and **OK** buttons on the remote controller.
The settings made with these buttons are also shown in the on-screen display.

OSD MAIN MENU

```
OSD MAIN MENU

SURROUND MODE
CHANNEL LEVEL
MULTI ROOM SETUP
SYSTEM SETUP
SPEAKER SETUP

EXIT
```

SURROUND MODE

```
SURROUND MODE

SOURCE DIRECT : OFF
SURR-MODE: AUTO
NIGHT MODE    : OFF
LFE LEVEL     :  0 dB
HT-EQ         : OFF

RETRUN          EXIT
```

SYSTEM SETUP 1/3

```
6CH-INPUT    : 6ch

TV-AUTO      : ENABLE
TV-INPUT     : CVBS
DIGITAL OUT  : SOURCE

NEXT SETUP      EXIT
```

SPEAKER SETUP 1/3 SPKR SIZE

```
SETUP1/3  SPKR SIZE
SETUP : UNLOCKED

FRONT-L/R    : LARGE
CENTER       : SMALL
SURR-L/R     : SMALL
SUBWOOFER    : YES

NEXT SETUP      EXIT
```

CHANNEL LEVEL CONTROL

```
CHANNEL LEVEL CONTROL

FRONT L     :   0 dB
FRONT R     :   0 dB
SUBWOOFER   :   0 dB
CENTER      :   0 dB
SURROUND L  :   0 dB
SURROUND R  :   0 dB

RETRUN          EXIT
```

SYSTEM SETUP 2/3

```
INPUT   Dig-12345  Ana
CD        -■---    -
TAPE      -----    ■
CD-R      --■--    -
TV        -----    ■
LD        ---■-    -
DVD       ■----    -
VCR1      -----    ■
DSS       ----■    -
NEXT SETUP      EXIT
```

SPEAKER SETUP 2/3 SPKR DISTANCE

```
SETUP2/3  SPKR DISTANCE
UNIT         :    ft
FRONT-L      :  10ft
FRONT-R      :  10ft
CENTER       :  10ft
SURR-L       :  10ft
SURR-R       :  10ft
          ENTER

NEXT SETUP      EXIT
```

MULTI ROOM SETUP

```
MULTI ROOM SETUP
MULTI ROOM : ON
VIDEO      : VCR1
AUDIO      : FM
VOLUME     : VARIABLE
VOLUME LEVEL : -15 dB
---MAIN-ROOM STATUS---
  VIDEO:DVD
  AUDIO:DVD
RETURN          EXIT
```

SYSTEM SETUP 3/3

```
DC-CONTROL OUTPUT
DC1: MULTI ROOM
TV LD DVD VCR1 DSS AUX
CD-R TAPE  CD  TUNER

DC2: MULTI ROOM
TV LD DVD VCR1 DSS AUX
CD-R TAPE  CD  TUNER

NEXT SETUP      EXIT
```

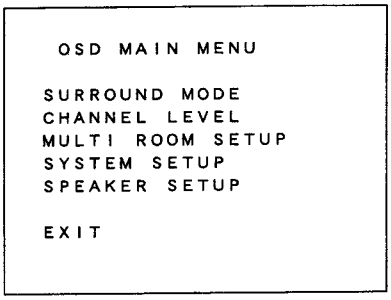
SPEAKER SETUP 3/3 SPKR LEVEL

```
SETUP3/3 SPKR LEVEL
TEST MODE : MANUAL
TEST TONE : ON

FORNT-L   :  0dB

RETURN          EXIT
```

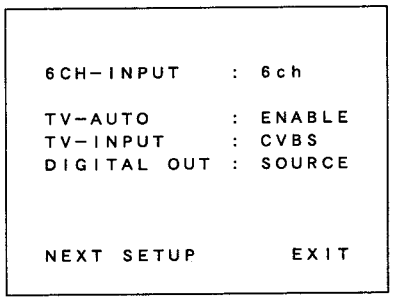
OSD MAIN MENU



1. Press the AMP button.
2. Press any one of the cursor buttons (**<**, **>**, **^**, **v** and **OK** buttons) to display the "MAIN MENU" of the on-screen display menu.
   Choose a desired item in the contents with **^** or **v** button, and press the **OK** button to select.
   Display will change to menu for each item.

SYSTEM SETUP

SYSTEM SETUP 1/3



6CH. INPUT : The 6 channel input of the SR7000 can be selected to use a 6channel input or front 2channel input. Select 6channel use or 2channel use by **<** or **>** button.

TV AUTO : This product is equipped with a TV-auto ON/OFF system, which automatically turns on or off the power 1 second to 5 minutes after the TV video input signal has been sent or has been stopped.
Switch the TV AUTO ON/OFF function to enable or disable with **<** or **>** button.
To use this function, connect the TV video input to TV tuner's video output.

TV INPUT : This allows you to choose between the composite or the S-Video input for use with the TV auto function.

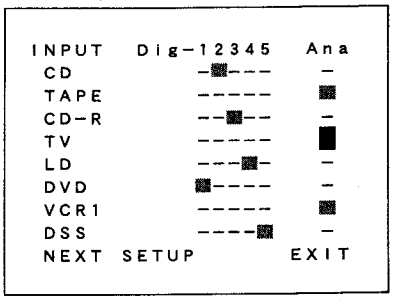
DIGITAL OUT : This lets you chose which digital input will be output for digital recording.

SOURCE → DIG.1 → DIG.2 → DIG.3 → DIG.4 → DIG.5 → OFF → SOURCE

To determine each source, display the desired source and press the **<** or **>** button.

NEXT SETUP/EXIT : If you desire to continue the next setup ,press the **OK** button on NEXT-SETUP, if you desire to exit from OSD menu system, press the **OK** button on EXIT.

SYSTEM SETUP 2/3 (SELECTING THE DIGITAL INPUT)



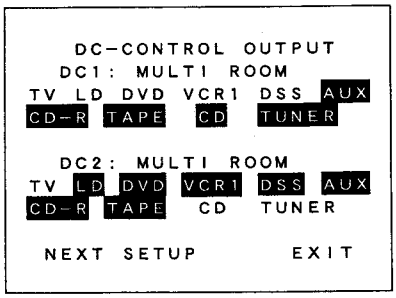
Five digital inputs can be assigned for the desired source.
Use this menu to determine which source is connected to which input.

Example;
When the digital output of a DVD player is connected to Digital 4 (input jack) of the SR7000;

1. Move the cursor on the line of the DVD with cursor buttons **^** or **v**.
2. Move the cursor on "Dig 4" with cursor buttons **<** or **>**.
3. Press the **OK** button to chose.
4. If you desire to continue the next setup, press the **OK** button on NEXT-SETUP.
   If you desire to exit from OSD menu system, press the **OK** button on EXIT.

Notes:
The TUNER and AUX are assigned to the analog input, and are prevented from selecting any digital input.
While the DTS-LD or DTS-CD is playing, this setup is not available, this is to avoid noise being generated from the analog input. Stop the LD or CD playback to setup.
The SR7000 does not switch from digital input to analog input or vice versa automatically.
In the event that both digital and analog inputs are connected to SR7000, if you desire to switch to an analog input temporarily, you can switch by pressing the **A/D** button ⑦.

SYSTEM SETUP 3/3 (DC CONTROL OUTPUT)

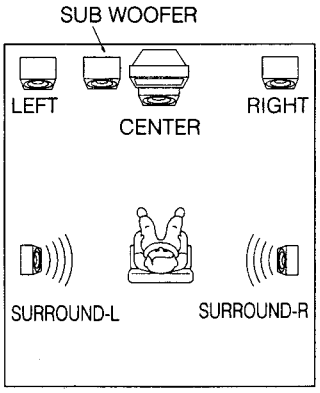

DC-CONTROL OUTPUT
DC1 : MULTI ROOM
TV LD DVD VCR1 DSS AUX
CD-R TAPE CD TUNER
DC2 : MULTI ROOM
TV LD DVD VCR1 DSS AUX
CD-R TAPE CD TUNER
NEXT SETUP EXIT

SR7000 has two DC control jacks, each one is selectable to link with input functions for the main room or multi room.
You can select MAIN ROOM, MULTI ROOM or OFF for DC1 & DC2 independently by **<** or **>** button.
And then move the cursor to select the linked input function you desired by **<** or **>** button and press **OK** button to chose.

ENGLISH

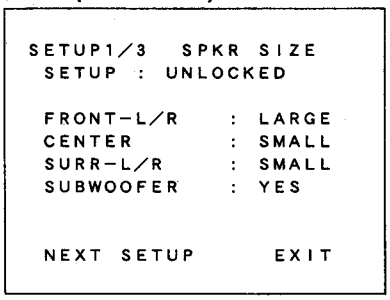
SPEAKERS SETUP

The home theater system you already have installed should function provided that there are left, center and right front speakers, left and right rear/surround speakers and a subwoofer. For best results we recommend that all front speakers be of the same type, with identical or similar driver units. This will deliver smooth pans across the front sound stage as the action moves from side to side.
Your center channel speaker is very important as over 80 % of the dialog from a typical motion picture emanates from the center channel. It should possess similar sonic characteristics to the main speakers.
Rear channel speakers need not be identical to the front channel speakers, but they should be of high quality.
One of the benefits of both Dolby Digital (AC-3) and DTS is that surround channels are discrete full range, while they were frequency limited in earlier "Pro Logic' type systems.
Bass effects are an important part of home theater. For optimal enjoyment a subwoofer should be used as it is optimized for low frequency reproduction. If you have full range front speakers, however, they may be used in place of a subwoofer with proper setting of the switches in the menu system.



If possible, mount the surround speakers on the walls to the sides of the viewing area, 2-3 feet above seated viewers, firing straight across at each other.

SPKR SETUP 1/3 (SPKR SIZE)



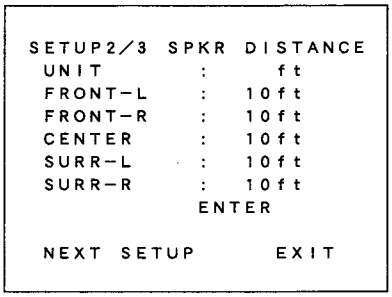
SETUP: Select "LOCKED" with **<** or **>** button in order to lock the contents of the SPKR SET UP MENU.
Then, when you want to change the contents of this setup, select "UNLOCKED".

SPKR SIZE
This menu enters the information about which type of speakers will be used for each channel.
In turn, these settings will determine which speakers receive low frequency information.
For the purpose of establishing proper bass reproduction, use the LARGE settings if the speaker being used at any position is a traditional full-range loudspeaker that is capable of reproducing sound below 100 Hz and you are not using a subwoofer.
Use the SMALL setting for smaller, frequency-limited speakers that are not able to reproduce sounds below 100Hz and you are using a subwoofer. Low frequencies will be diverted from the speaker to the subwoofer.
Note that when "small" speakers are used it is advisable to install a separate subwoofer, especially if you wish to appreciate the full impact of a good home theater soundtrack.
If the Surround speakers or Center speaker will not be used, set NONE for each speaker. The NONE setting will send the audio for the surround channels or Center channel to the front left/right speakers.

FRONT -L/R : Select the type of front speakers with **<** or **>** button.
CENTER : Select the type of center speaker with **<** or **>** button.
SURR-L/R : Select the type of surround speakers with **<** or **>** button.
SUBWOOFER: Select the subwoofer speaker yes or none with **<** or **>** button.

Notes:
The SUBWOOFER cannot be set to None when the front speakers are set to SMALL.
This speaker size setup is not effective when the SOURCE-DIRECT or 6CH. Input is selected.

SPKR SETUP 2/3 (SPKR DISTANCE)

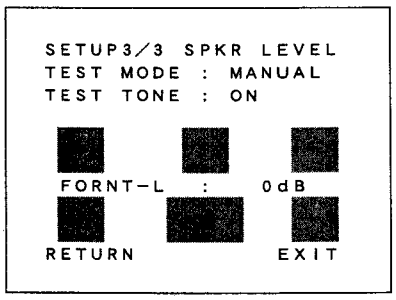


Use this parameter to specify the distance of the speaker's position from the listener.
The delay time is automatically set according to these distances.

UNITS: You can select Meters or Feet.
If you select "**ft**", the setting parameter will change in 1 foot steps.
If you select "**m**", it will change in 0.3 meter steps.
Select speaker with **^** or **v** button, and input each speaker's distance with **<** or **>** button.
When the input for each speaker's distance has been finished, move the cursor to ENTER and press the **OK** button.

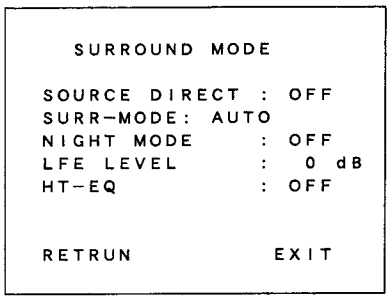
NOTES :
If your are out of range, the OSD text will blink.
Placement beyond that distance is beyond the range of the automatic time delay feature.
The delay feature does not function in the SOURCE-DIRECT ,6 CH-Input modes and decoding of 96 kHz sources.

SPKR SETUP 3/3 (SPKR LEVEL)



SPKR LEVEL
TEST MODE: Selects the mode for generating the test tone.
If you select AUTO, the test tone will be cycled through in a circular pattern which is Left → Center → Right → Surround Right → Surround Left → Subwoofer → Left → ... 3 seconds for each channel.
If you select MANUAL, press the **OK** button to select the test tone channels after the "TEST TONE ON".
TEST TONE: Press the **OK** button, ON is indicated and the test tone starts from the front L-CH speaker.
Press the **OK** button again on this item. OFF is indicated and the output of the test tone will stop.
Channel: Adjust the level of test tone for each channel with the **<** or **>** buttons of the RC7000SR. The current volume level is shown at the center of the display.

SURROUND MODE



SOURCE DIRECT : Switch the source direct ON or OFF with < or > button. This bypasses the surround processing and crossover for the main speakers (front left and right will be full range and the subwoofer will be ON)
Note: Surround mode cannot be changed in Source Direct mode.

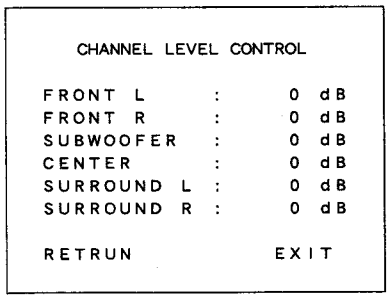
SURR-MODE : Select the surround mode with < or > button.

NIGHT MODE : Switch the NIGHT MODE ON or OFF with < or > button.
Selecting the Night Mode ON is effective in Dolby Digital only, and it compresses the dynamic range.
This softens loud passages such as sudden explosions, to help prevent disturbing others late at night.

LFE LEVEL : Select the output level of the LFE signal included in the Dolby Digital signal or the DTS signal. Select 0dB, -10 dB or OFF with < or > button.
The level is ordinarily set to 0 dB except DTS-Music mode. In the DTS-Music mode, default level is set to -10 dB.

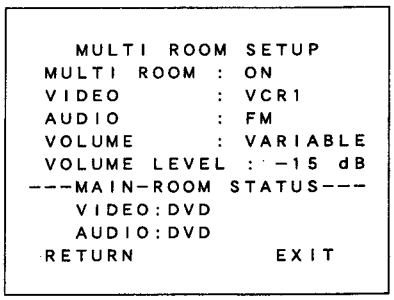
HT-EQ: Switch the HT (Home Theater) - EQ on or off with < or > button.
This mode compensates for the audio portion of a movie sounding "bright".
This equalizer is effective in AUTO, DOLBY, DTS-cinema, DTS-music and STEREO mode.

CHANNEL LEVEL CONTROL



Desired channels can be selected by pressing < or > button.
Each channel level will be adjusted by pressing < or > button.
Only the usable channels which are determined depending on the SURROUND mode, and SPEAKER SETTING are displayed.

MULTI ROOM SETUP



MULTI ROOM : To switch on the Multi-room output.

VIDEO : Select the video source of the Multi-room output.

AUDIO : Select the audio source of the Multi-room output.

VOLUME : Select whether the Multi-room output level is variable or fixed.

VOLUME LEVEL : Adjust the Multi-room output level.

MAIN ROOM STATUS : Selected input source in the main room will be displayed.

Notes:
If "VOLUME" is set to "FIXED", the multi-room output level cannot be adjusted.
You cannot transmit a digital signal using the multi-room function. Any source component that is desired to be operated in the second zone needs to have the analog outputs connected to receiver.

ENGLISH

BASIC OPERATION

LISTENING TO THE TUNER

MANUAL TUNING

1. To select the tuner as the source, press the **TUNER** button ⑤ on the front panel or press the **TUNER** button [8] on the remote.
2. Press the **TUNER** button ⑤ on the front panel or press the **TUNER** button [8] on the remote to select the desired frequency band if required.
3. Press the **F/P** button ⑯ on the front panel to display the frequency.
4. Press the **TUNING/PRESET** ▲ or ▼ button ⑮ on the front panel or press the ^, v button [10] on the remote.
5. If FM is selected, press the **MODE** button ⑰ on the front panel or select T-MOD in the tuner mode and press the **ENT** [7] button on the remote control to select the desired audio mode.

(FM) MODE BUTTON OPERATION

When "AUTO" indicator is on in the display, FM stations that broadcast in stereo will be received in stereo and the "STEREO" indicator lights.
When "AUTO" indicator is off, all the FM stations will be received in mono regardless of whether or not they are broadcasting in stereo.

AUTO TUNING (USING THE SR7000)

1. Press the **F/P** button ⑯ on the front panel to display the frequency.
2. Press the **TUNING/PRESET** ▲ or ▼ button ⑮ on the front panel for more than 1 second to start the Auto tuning function.

AUTO TUNING (USING THE REMOTE CONTROL UNIT)

Press ^, v button [10] for more than 1 second to start the Auto tuning function.

PRESET TUNING

With this unit you can preset up to 50 FM/AM (MW/LW) stations in any order. For each station, you can memorize the frequency and reception mode if desired.

1-a. Manual Presetting (Using the SR7000)

1. Refer to the "MANUAL TUNING" or "AUTO TUNING" section above to tune in a desired station.
2. Press the **MEMORY** button ⑭. "MEMO" indicator starts blinking on the display.
   While "MEMO" is still blinking (approx. 5 seconds), select the preset number by pressing the **TUNING/PRESET** ▲ or ▼ button ⑮ then press the **MEMORY** button ⑭ again.
3. When a number has been properly input, "MEMO" indicator stops blinking and goes out.
   The station is now stored in the specified preset memory location.

1-b. Manual Presetting (Using the remote unit)

1. Tune in a desired station.
2. Press the **MEMO** button [16].
3. Enter the desired preset number with ten keypad [17].
   * When entering a single digit number (2, for example), either input "02" or just input "2" and wait for a few seconds.
   * If a number other than 1-50 is entered by mistake, that number flashes in the display to indicate that it is invalid and the display returns to the original frequency display.

2. Auto Presetting

This function automatically scans the AM (MW/LW) and FM band and enters all
stations with sufficient signal strength into the memory.
This function is available only for SR7000.

1. Select the FM band with the **BAND** button on the remote.
2. Tune in the lowest receivable frequency.
3. While pressing the **MEMORY** button ⑭, press the **TUNING/PRESET** ▲ button ⑮. Auto memory starts at this point.
4. "MEMO " will blink on the display.
5. Each time the tuner finds a station, the scanning will pause and the station will be played for five seconds. During this time, the following operations are possible:
   1) The band can be changed using the **BAND** button on the remote.
   2) The mode can be changed using the (FM) **MODE** button ⑰.
6. If no button is pressed during this period, the current frequency is preset in location CH-2.
   If you wish to skip the current station, press the **TUNING/PRESET** ▲ or ▼ button ⑮ during this period, the current frequency is skipped and auto presetting continues.
7. Operation stops automatically when all 50 preset memory positions are filled or when auto scanning attains the highest end of all bands.
   To stop the auto preset function at anytime, press the **CLEAR** button ⑬.

3. Recalling a Preset Station

1. Press the **F/P** button ⑯ to change the display to preset.
2. Select the desired preset station by pressing **TUNING/PRESET** ▲ or ▼ button ⑮ on the front panel or press **CH▲** or **CH▼** button [12] on the remote.

Note:

To directly access the preset stations using the numeric keypad, select the desired preset station by entering one or two digits using the numeric keypad [15].
To return to the Manual Tuning mode, press the **F/P** button ⑯.

4. Preset Scan Tuning (Using the remote control unit)

1. Select the **SCAN** (preset scan: command page 5 in TUNER mode) by **Jog Dial** [6] and press the **ENT** button [7] on the remote control. "P-SCAN" indicator blinks in the display. (The preset station with the smallest preset number is recalled first. If no stations have been preset, CH "00" blinks in the display and the unit returns to the previous mode.)
2. Preset stations are recalled in sequence (CH-1 → CH-2, etc.) for 5 seconds each. Preset numbers that do not contain stations are skipped.
3. You can fast forward the preset stations by pressing the **CH▲** button continuously.
   When the desired preset station is received, cancel the preset scan operation by pressing the **CH▼** button or the **CLEAR** button ⑬.

5. Clearing Preset Stations

You can remove preset stations from memory using the following procedure.

1. Recall the preset number to be cleared with the method described in "Recalling" a preset station .
2. Press the **MEMORY** button ⑭ on the front panel or **MEMO** button [16] on the remote unit, "MEMO" blinks in the display for 5 seconds. While "MEMO" is still blinking, press the **CLEAR** button ⑬ on the front panel or **CLEAR** button [15] on the remote unit.
   "CLEAR" appears on the display to indicate that the specified preset number has been cleared.

STATION NAME PRESET

The station name preset function allows the name of each preset channel to be entered using alphanumeric characters. The Station Name button is valid only in the tuner mode. Before station name preset operation, store stations with the preset memory operation.

1. Press the **MEMORY** button ⑭ on the front panel or **MEMO** button [16] on the remote for more than 3 seconds.
2. The left most column of the station name indicator flashes, indicating the character entry ready status.

[Operation (Using the SR7000)]

3. When you press the **TUNING/PRESET ▲** or **▼**buttons ⑮ is turned, alphabetic and numeric characters will be displayed in the following order:

A → B → C ...Z → 1 → 2 → 3..... 0 → - → + → / → (Blank) → A
UP →
← DOWN

4. After selecting the first character to be entered, press the **MEMORY** button ⑭. The entry in this column is fixed and the next column starts to flash. Fill the next column and press the **MEMORY** button ⑭ for more than 1 second to confirm the entry.

[Operation (Using the remote unit)]

First, press the **TUNER** button on the remote control unit.

(This operation is not necessary if the remote control unit has already been operated in the TUNER mode.)

3. Enter the character using the ten keypad [17]. For example, to enter "A":
   1) Press the "1" button. "A" appears on the display column.
   2) Every time the 1 button is pressed, the displayed character changes in the order: A → B → C → 1 → A...
   Pressing buttons other than the "1" button cause different characters to be displayed in a similar way, so that other alphanumeric characters can be entered. To enter a blank or space, press the "9" button.
4. When the desired character is displayed, press the **MEMO** button [16] to confirm the entry in this column and move to the next column. After having filled all of the 8 columns, press the **MEMO** button [16], for more than 1 second to confirm the entry.

RDS OPERATION

Now in use in many countries, RDS (Radio Data System) is a description of the station's programming hidden space in the FM signal.
Your new receiver is equipped with RDS to assist in the selection of FM stations using station and network names, rather than broadcast frequencies. Additional RDS functions include the ability to search for programme types.

Note:

Before use this feature, need to set the RC7000SR to REST mode by setup memu. Refer to page 27.

RADIO TEXT

Some RDS stations broadcast RADIOTEXT, which is additional information on the station and programme being broadcast.
RADIOTEXT information appears as 'running' text in the display. RADIOTEXT is transmitted character-by- character by the radio station. As a result of that it may take some time until the entire text has been completely received.

RDS DISPLAY

When a receiver is tuned to an FM station that is transmitting RDS data, the Front Panel Information Display will automatically show the station name or RDS TEXT in place of the typical display of the station's broadcast frequency.
To change the display, select the **DISP** by the **Jog Dial** [6] and press the **ENT** button [7] in the TUNER MODE on the remote controller.

PROGRAMME TYPE (PTY) DISPLAY

The RDS system categorizes programmes according to their genre into different programme type (PTY) groups. To display the programme type information of the current station, select the **PTY** by the **Jog Dial** [6] and press the **ENT** button [7] in the TUNER MODE on the remote controller.

PTY AUTO SEARCH

Your receiver is equipped to automatically search for stations transmitting any of 29 different programme types. To search for a PTY, follow these procedures:

1. Select the **PTY** button by the **Jog Dial** [6] and press the **ENT** button [7] in the TUNER MODE on the remote controller. The current station's PTY will be displayed, or the currently selected PTY group will be displayed in blinking if no station or RDS data is present.
2. To change to a new PTY type, press the **CH ▲ / ▼** button [12] on the remote control until the desired PTY is shown in the display.
   To select a specific PTY type, use the ten key pad [17] on the remote control to select the programme type corresponding to the numbered choices in the table on the following.
3. Once the desired PTY group or type has been selected, select the **PTY** by the **Jog Dial** [6] while the display blink (approx. 5 seconds). The PTY Auto search will start, and the tuner will pause at each station broadcasting RDS PTY information corresponding to the selected choice.
4. To advance to the next RDS station with the desired PTY, selcet the **PTY** by the **Jog Dial** [6] again within 5 seconds.

NUMBER	DISPLAY	PROGRAMME TYPE
1	POP	Pop Music
2	ROCK	Rock Music
3	MOR	M. O. R. Music
4	LIGHT	Light classical
5	CLASSIC	Serious classical
6	NEWS	News
7	AFFAIR	Current Affairs
8	INFO	Information
9	SPORT	Sport
10	EDUCATE	Education
11	DRAMA	Drama
12	CULTURE	Culture
13	SCIENCE	Science
14	OTHERS	Varied
15	OTHER	Other Music
16	WEATHER	Weather
17	FINANCE	Finance
18	CHILDREN	Children's programmes
19	SOCIAL	Social Affairs
20	RELIGION	Religion
21	PHONE IN	Phone In
22	TRAVEL	Travel
23	HOBBIES	Hobbies
24	JAZZ	Jazz Music
25	COUNTRY	Country Music
26	NATION	National Music
27	OLDIES	Oldies Music
28	FOLK	Folk Music
29	DOCUMENT	Documentary

ENGLISH

PLAYBACK OPERATION

NORMAL PLAYBACK

1. Press the POWER ON button on the remote.
2. Press the **FUNCTION SELECTOR** button ⑤ on the front panel or press the **FUNCTION** button [8] on the remote unit to select an input source.
3. Turn the **SURROUND MODE SELECTOR** knob ③ on the front panel or Surround mode buttons [17] in the AMP MODE on the remote unit to select the desired surround mode.
4. Adjust the volume level using the **VOLUME** knob ④ on the front panel or press the **VOL ▲ / ▼** button [9] on the remote. If necessary, adjust the tone, select the **TRB+**, **TRB–** and **BAS+**, **BAS–** by the **Jog Dial** [6] and press **ENT** button [7] in the AMP MODE on the remote unit.

Note:

In case of remote control operation, press one of the function buttons twice within 2 seconds to select the function.

LISTENING TO A DIFFERENT AUDIO SOURCE WHILE WATCHING A VIDEO SOURCE (Using the remote control unit)

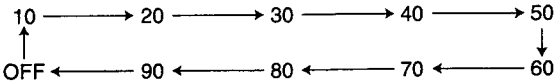
1. Select one of the following video sources
   TV, LD, DVD, VCR1, DSS/VCR2 or AUX.
2. Next, select one of the following audio sources
   FM, AM, CD, TAPE, or CDR/MD.

OTHER FUNCTIONS

SETTING THE SLEEP TIMER

Set the sleep timer while the power is turned on.

1. Turn the power ON and press the **SLEEP** button ⑩.
   "SLEEP" blinks on the display.
2. Press the **SLEEP** button ⑩ the number of times to set the desired sleep time in minutes.
   Each press of the **SLEEP** button ⑩ or changes the display in the following order:



   "SLEEP" stops blinking and lights steadily.
   The unit will shut off in the number of minutes indicated.

* While the sleep timer is activated, the remaining time can be displayed for approximately 2 seconds by pressing the **SLEEP** button.
* To cancel the sleep timer, press the **SLEEP** button ⑩ and then press the **CLEAR** button ⑱.

TV AUTO ON/OFF FUNCTION

This function allows the component connected to the TV IN jack to control the power (ON/OFF) to the SR7000.

AUTO POWER ON

1. Be sure TV auto mode is enable. (Refer page 11 : System Setup 1/3)
2. Connect your TV TUNER (etc) to the TV IN terminal.
   Be sure to connect the of video input.
3. Turn OFF the power to the TV TUNER and the SR7000.
4. Turn ON the TV TUNER and tune in a receivable station.
5. When the station is received, the SR7000 turns ON and TV is selected automatically.

AUTO POWER OFF

1. In the above situation, turn the TV TUNER OFF or select a channel that does not contain any broadcast.
2. The SR7000 switches to STANDBY after approximately 5 minutes.

Note:

AUTO POWER OFF is canceled if the **FUNCTION SELECTOR** button ㉑ is set to a source other than TV. The function reactivates when TV is selected again.

Caution:

Some TV broadcasts may cause the TV AUTO FUNCTION to be turned enable. To set this function to ENABLE/DISABLE, refer to the SETUP MENU.

MULTI ROOM SELECTOR

The Multi Room Selector is a function which allows you to listen to the same or a different source in a room other than the room in which the SR7000 is located. To use this function, a multi room remote unit and remote control signal receiver available from your Marantz dealer are necessary. The operations possible with the multi room function are explained briefly below. For details, refer to the instruction manual supplied with the multi room remote control unit and receiver.

MULTI ROOM SELECTOR OPERATION

1. Press the **MULTI** button ⑨. The unit enters multi room mode and the display indicates "SEL SOURCE" and flashes the "MULTI" indicator for approx. 10 seconds. In this time, you can select the input source by pressing the **FUNCTION SELECTOR** button ⑤ and you can set sleep timer for multi room by pressing by the **SLEEP** button ⑩.
2. Then, the display indicates "MULTI VOL" "VOLUME xx dB" for approx. 5 seconds. At this time, you can set the volume level of the multi room by turning the volume control knob.

MULTI ROOM SELECTOR OPERATION (USING THE MULTI ROOM REMOTE CONTROL UNIT)

1. Press the **MULTI** button, the POWER ON button, or select the desired source on multi room remote control unit from the MULTI ROOM. Any of these operations will put the SR7000 into multi room mode and "MULTI" will light in the display and OSD system for the TV in the multi room will be shown.
2. Press the **VOL.UP** or **VOL.DOWN** button on the multi room remote control unit to set the desired sound volume.
3. In multi room mode, the multi room remote control unit can be used in the multi room to operate the following functions.
   You can select a tuner preset channel and tuning up or down, and direct selection. And you can control the CD player LD player, DVD player and tape deck connected to the SR7000.

Caution:

If the main room and the secondary room are listening to the same source, the main room will have priority over controlling that source. For example, you cannot change the frequency or preset of the Tuner from a remote location if the main room is also listening to that source.

ON SCREEN DISPLAY INFOMATION

ENGLISH

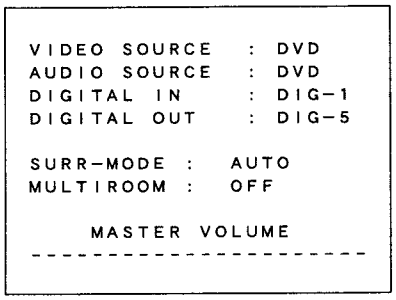
The on-screen display, which can be activated by the Main unit or remote, appears on the TV screen to show the current setting status of the SR7000.

Note:

Each video input function is set PAL or NTSC for TV format of OSD. If this setup does not meet the video input signal, character of OSD can notsynchronize.
So You can select these format function by function.
Press **OSD** button [17] on the remote controller for 3 seconds or more. "PAL" or "NTSC" will be shown on the display of SR7000, press **OSD** button [17] again to change the TV format.
The indication on FL display will change " PAL" → " NTSC" → "PAL"→.
This setup is memorized with each video input function.

1. GENERAL INFORMATION

When the **OSD** button [17] is pressed, the current setting are displayed on the TV monitor.
This display disappears automatically in about 10 seconds after the button is pressed.



① VIDEO SOURCE:
Displays the current video source being selected with the function selector **TV, LD, DVD, VCR1, DSS** or **AUX**.

② AUDIO SOURCE:
Displays the current audio source being selected with the function selector **FM, AM, CD, TAPE, CD-R, TV, LD, DVD, VCR1, DSS** or **AUX**.

③ DIGITAL INPUT:
Displays the digital input that you are using
DIG-1, DIG-2, DIG-3, DIG-4 or **DIG-5**.

④ DIGITAL OUTPUT:
Displays the digital output that is being used for recording
SOURCE, DIG-1, DIG-2, DIG-3, DIG-4, DIG-5 or **OFF**.

⑤ SURROUND MODE:
Displays the current surround mode
AUTO, DOLBY, DTS-CINEMA, DTS-MUSIC, HALL, MATRIX, MOVIE, 5-STEREO, STEREO, S-DIRECT or **6CH INPUT**.

⑥ MULTI ROOM
Displays the current status of the Multi Room function, ON or OFF.

⑦ MASTER VOLUME
Displays the current volume level.
The volume level is higher at the right of the display, and the pointer changes to "□" at 0 dB.

Note:

The On-Screen Display signals for the main room can be output from the TV MONIcomposite video (RCA) output and the TV MONI, S-Video output jacks.
With some video equipment or software, the On-Screen Display characters may be distorted due to noise or tracking adjustment error.

ENGLISH

2. FUCTION SELECT & SURROUND MODE

When a function selector button or surround mode button is pressed

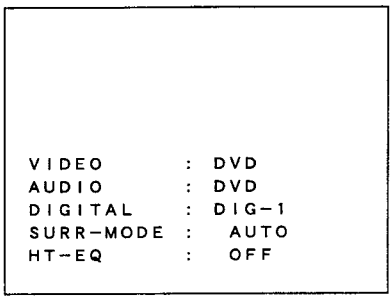
VIDEO: Displays the current video source. When DSS/TV, LD, DVD, VCR or AUX is selected with the function selector, both AUDIO and VIDEO shows the same name.

AUDIO: Displays the current analog audio input source.

DIGITAL: Displays the current digital input source.

SURR-MODE: Displays the current Surround mode as follows; AUTO, DOLBY, DTS CINEMA, DTS MUSIC, HALL MATRIX, MOVIE, 5-STEREO , STEREO, S=DIRECT, or 6CH-INPUT.

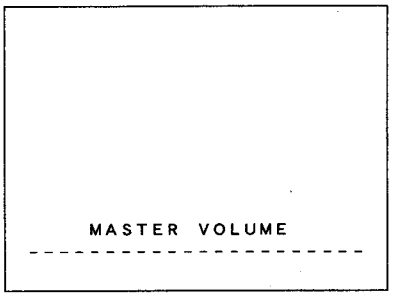
HT-EQ : Displays the current status of the Home Theater-EQ function as ON or OFF.



3. MASTER VOLUME CONTROL

Displayed when the MASTER volume is varied or a button of the remote handset is pressed.

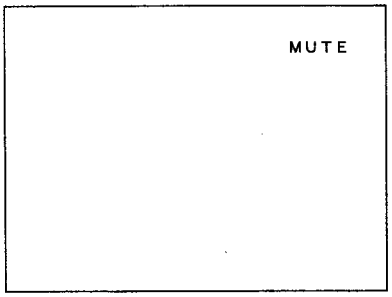
The box display indicates the 0 dB level with a solid box "□".



4. MUTE

When the **MUTE** button ⑫ is pressed on the remote control, "MUTE" will be shown on screen.

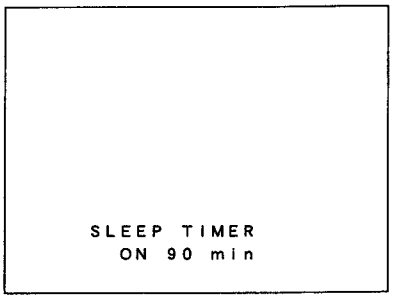
Pressing **MUTE** button ⑫ again will clear the display,or adjust the volume.



5.SLEEP TIMER

When the **SLEEP** button ⑩ is pressed, the setting on or off and the remaining time of the sleeptimer function are displayed.

You can change the mode between on, off and the amount of time to elapse before the unit will shut itself off by cycling the **SLEEP** button ⑩.

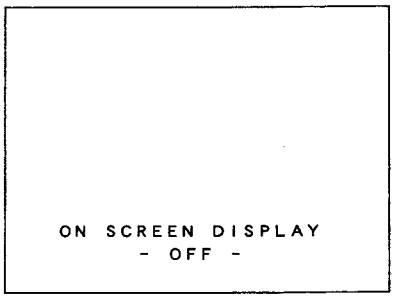


6. OSD OFF

When **OSD** button [17] is pressed, OSD system will be bypassed after 3 seconds.

Then there is no indication on the TV display.

Press the **OSD** button [17] again to activate the OSD.



REMOTE CONTROL UNIT RC7000SR

MAIN FEATURES & FUNCTIONS

- **PROGRAMMABLE LEARNING FUNCTION**

Can easily be programmed to learn the codes for almost any other infrared-based remote, allowing the remote control functions for many different components to be consolidated conveniently in a single unit.

- **PRESET CODES**

Function buttons already contain preset codes (using the RC-5/RC-6 remote control language) for other remote-controllable Marantz audio-visual component.

- **LUMINOUS BUTTONS**

The remote controller uses luminous buttons which store light allowing it to be used even in the dark.

- **LARGE, EASY-TO-READ DISPLAY**

Large LCD (liquid crystal display) messages and other information at a glance.

- **JOG DIAL**

The function selected by Jog Dial (displayed on the LCD) can be operated directly by the ENT button.

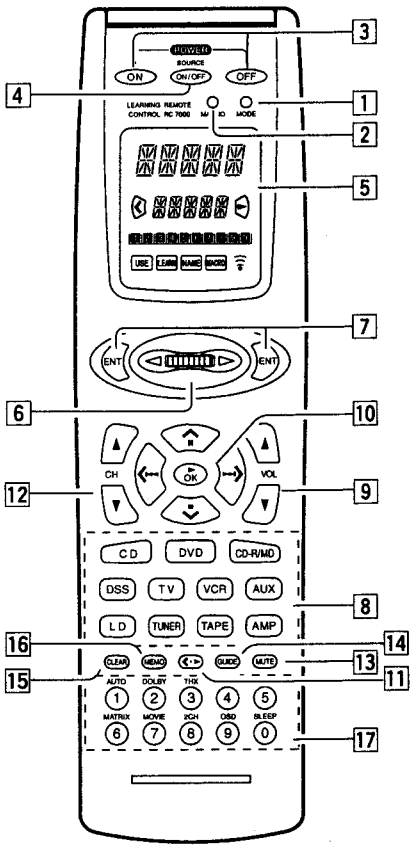
- **MACRO CAPABILITY**

Macro function allows the remote controller to be programmed to execute complex strings of multiple commands using a single keystroke.

- **NAME ASSIGNMENT**

Allows one to change the (displayed via the LCD) name for a command.

NAMES OF PARTS & FUNCTIONS



Names of Buttons & Functions

1 MODE button

Used to change the operation mode of the remote controller. Pressing this button cycles the remote controller through **USE** → **LEARN** → **NAME** → **USE**, with the currently selected mode displayed on the LCD.

2 MACRO button

Used to switch the remote controller in and out of the MACRO mode, which is used to program complex operational sequences (macros), with the currently selected mode displayed on the LCD.

3 Power ON and OFF buttons

Used to turn the main system component (usually a preamplifier or receiver) ON and OFF.

4 Source ON/OFF button

Used to turn specific sources (such as DVD players, etc.) ON and OFF independently from the rest of the system.

5 LCD

Used to display information about currently selected modes and functions.

6 Jog Dial

Used to select the operation content for each source. Ten types of direct operation are possible for each of the 11 functions including LD, TV, AMP, etc. After selecting the desired function, press either of the **ENT** buttons 7 to transmit the signal.

[7] ENT buttons

Used to execute a function selected with the **Jog Dial** [6].
There are 2 **ENT** buttons, one on each side, so that the remote controller can be used just as easily with either hand.
The characters on the display can also be programmed.

[8] Function buttons

Used to switch the remote controller to the command sets for specific sources (amplifier, receiver, etc.), thereby allowing a single remote controller to control up to 11 different components. To use these buttons to switch the amplifier's source, press the desired button twice within 2 seconds. The **AMP** button [8] is used only to switch the command set of the remote controller itself and therefore does not transmit any signal. Further, the function buttons may also be programmed to execute macros. (A macro allows a complex string of operations to be performed in series simply by pressing a single button.) One button can be programmed to learn sequences containing up to 10 commands. The following is an example of a macro sequence:
Turn the receiver ON → Switch the function to DVD → Set the Surround Mode to Dolby Digital → Switch the TV to video input → Set the DVD player to Play.

[9] VOLUME ▲ up / ▼ down buttons

Used to adjust the volume on receivers and other components equipped with volume control.

[10] CURSOR/TRANSPORT CONTROL buttons

Used to operate on-screen and other displays used by receivers and other components, as well as to operate the PLAY, STOP, PAUSE, NEXT, and PREVIOUS functions of each source.

[11] < • ► (CURSOR/ TRANSPORT CONTROL switching) button

Used to switch the function of the CURSOR/ TRANSPORT CONTROL buttons [10] between CURSOR and TRANSPORT CONTROL, with the currently selected function displayed on the LCD when the DVD, LD, or VCR functions are selected. When functions other than DVD, LD, or VCR are selected, the < • ► button remains inactive.

[12] CHANNEL ▲ up / ▼ down buttons

Used to controls the up/down function of tuner, or to cycle through the tuner presets.

[13] MUTE button

Used to temporarily mute the sound of preamplifiers, receivers, etc.

[14] GUIDE button

Used to call up the on-screen menus used to control DVD players, digital satellite systems (DSS), and other menu-equipped systems.

[15] CLEAR button

Used to clear the contents of memory or programmed functions.

[16] MEMO button

Used to program your CD player's track memory, or to enter a VCR recording program. Also can be used to provide the MEMO function included with other components in your system.

[17] Ten-Key pad/Surround Mode buttons

Used to enter numeric digits, useful for finding a specific track on a CD or for tuning to a preset radio station, etc. When the function is set to AMP, it is possible to choose Surround Mode, etc.
THX button is not used for SR7000. (THX is registered trademark of Lucas film Ltd.)

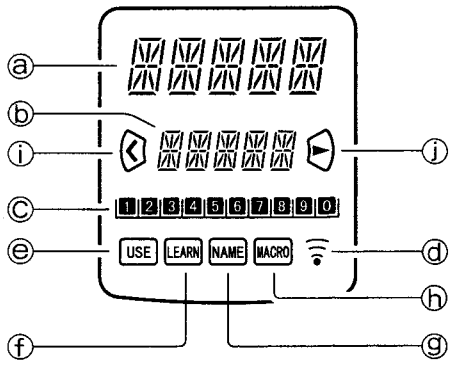
[18] Infrared Transmitter/Receiver Window

Used to transmit remote control signals based on beams of infrared light to system components. To ensure that these signals are properly received, make sure that this window is pointing in the general direction of the infrared receiver on the amplifier or other components. This window should also be pointed toward the source remote controller when using Programmable Learning function.

Note:
The **MODE** [1], **MACRO** [2], and < • ► (CURSOR/TRANSPORT CONTROL switching) [11] cannot be programmed.

LCD (Liquid Crystal Display)

Information about currently selected functions and modes is displayed on the LCD. Pressing any button will call up a full display of information on the status of that function or mode. This display will disappear after approximately 1 minute, except for the **Function Name** indicator ⓐ, which is always displayed.



ⓐ Function Name indicator

Displays the name of the currently selected function (LD, TV, etc.) using up to 5 characters.

ⓑ Command Name indicator

Displays up to 10 types of commands for each function using up to 5 characters.

ⓒ Command Page indicator

Allows confirmation of current command page. Also, when setting or transmitting macros, displays information such as the number of macro steps and the time interval between command transmissions.

ⓓ Transmission indicator

Indicates when the remote controller is transmitting a signal.

ⓔ USE indicator

For normal operation the USE indicator is displayed.

ⓕ LEARN indicator

Indicates when the remote controller is in the LEARN mode.

ⓖ NAME indicator

Indicates when the remote controller is in the NAME mode and a command name is being changed.

ⓗ MACRO indicator

Indicates when the remote controller is in the MACRO mode.

ⓘ CURSOR indicator

Indicates when the CURSOR/TRANSPORT CONTROL button is in the cursor mode.

⑪ CONTROL indicator

Indicates when the < • ► (CURSOR/TRANSPORT CONTROL switching) [11] is in a transport control mode such as PLAY, STOP, etc.

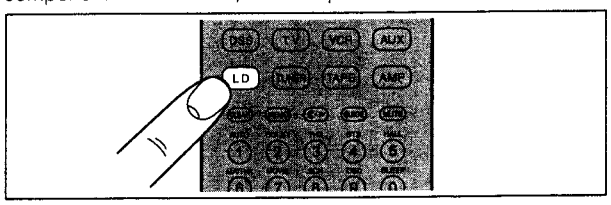
- If the LCD flickers when a button is pressed in order to transmit a command or when in the LEARN mode, the transmission or learning is not possible. In such a case, please replace the batteries.
- This remote controller uses non-volatile memory, so that learned codes and macros will be preserved even if the batteries are removed.

BASIC OPERATION

USE MODE

The remote controller will normally be used in the USE mode.
It comes preset with codes commonly used to control 11 types of components manufactured by Marantz and Philips, including DSS, DVD, TV, LD, VCR, AUX, TUNER, CD, TAPE, CD-R/MD, and AMP, as well as many others that utilize the RC-5 remote control language.

1. Press one of the **Function** buttons [8] once to change to another component's commands, for example the LD button.



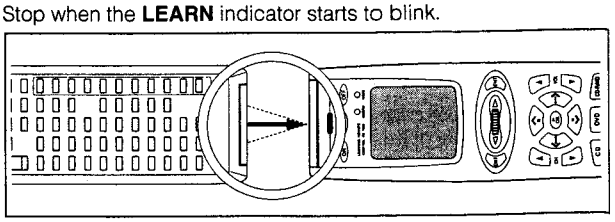
2. **LD** will be displayed on the LCD and the function codes will be set to operate the laser disc player, and if you double clicked the LD function button, the preamplifier or receiver's input will be changed as well.
3. Now you can operate the laser disc player. When a button is pressed, the symbol indicates that a remote code is being transmitted. is not displayed if a button for which no code has been set is pressed.
4. The **Jog Dial** [6] is used to select any one of up to 10 direct operations that can be performed for each of the 11 functions (LD, TV, AMP, etc.). Rotate the **Jog Dial** [6] to select one of these commands. The number of the current page is indicated by ■-■.
   Page numbers cycle up or down, for example ■ → ■ → ■ → ■ → etc. or ■ → ■ → ■ → ■ → etc. depending on which way the **Jog Dial** [6] is rotated.
   The last page position for any given command function is retained in the memory even if the remote controller is switched to the command function for another component. (Last Memory)
   If it is left for approximately 1 minute without pressing any buttons, all items on the LCD will go off except the function indicator.
   Even if the display goes off, the remote controller will hold the page position and other data. The display may be activated again by pressing any button.

LEARN MODE

The remote controller is capable of learning and memorizing the remote control codes used by almost any other remote controller you may already own.

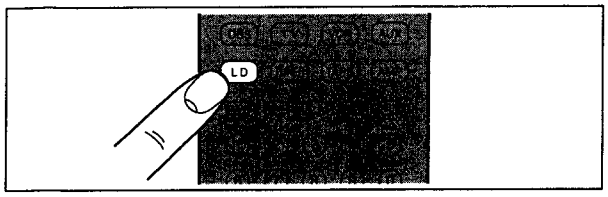
- If no commands have been programmed for a particular function button, the remote controller will transmit whatever codes have been factory preset.
- The following example shows how to program your remote controller and how to use the codes for a laser disc player (LD).
- The remote controller infrared receiver is located at the top of the remote controller.

1. Use a ballpoint pen or other sharp point to press the **MODE** button [1] until the **LEARN** indicator is displayed. Each time you press this button, the mode will cycle through **LEARN** → **NAME** → **USE**.
   Stop when the **LEARN** indicator starts to blink.

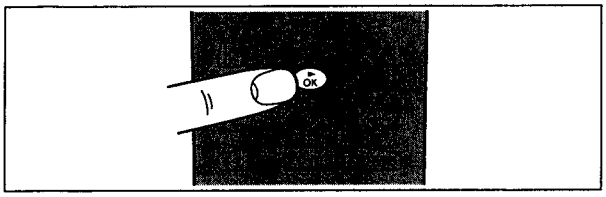


2. Place the laser disc's remote controller so that its infrared signal transmitter is facing the infrared signal receiver on the Marantz remote controller at a distance of about 5 centimeters (2 inches).

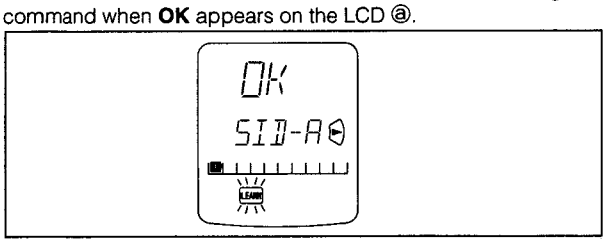
3. Press the **LD Function** button [8].



4. Press the **PLAY** button [10] (► **OK**). The **LEARN** indicator changes from blinking to continuously lit.



5. Press and hold the **PLAY** button on the laser disc player's remote controller. The remote controller has finished learning the command when **OK** appears on the LCD ⓐ.



- If **AGAIN** appears on the LCD, some error has prevented the command from being learned. If this happens, simply repeat the procedure from step 4.
- In the rare event that **NG** appears on the LCD, it means that the remote controller you are attempting to learn from uses special signals that cannot be learned by the Marantz remote controller.

6. Follow the same procedure to make the remote controller learn the ten-key ⑰ operation used by the laser disc player's remote controller.
7. Repeat the procedure from step 3 to have the remote controller learn the signal codes for the other components such as TV, VCR, etc.
   - If no buttons are pressed for approximately 1 minute while in the LEARN mode, the remote controller automatically returns to the USE mode.
   - When programming the function buttons, first switch to the desired function, then press the button again.
8. When you have finished programming the remote controller, use a ballpoint pen or other sharp point to once again press the **MODE** button [1] to return it to the USE mode. The LCD displays the **USE** indicator, and the newly programmed codes now can be used.

If FULL is displayed on the LCD

If **FULL** is displayed on the LCD ⓑ when programming in the LEARN mode, it means that the memory has become too full to hold any further codes.

If **FULL** is displayed no matter how many times you attempt to enter new codes, it means that the remote controller cannot accept any new codes until some of the previously learned codes are deleted to make space in the memory. Select unneeded codes for each of the **Jog Dial** control [6] and **Function** buttons [8], that show **FULL** and delete them from the memory.

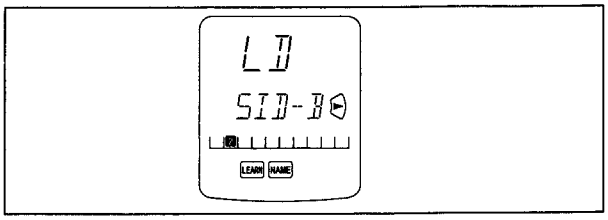
Note:

The power **ON** and **OFF** buttons [3] can only be programmed to learn one type of code, regardless of the function button that has been selected.

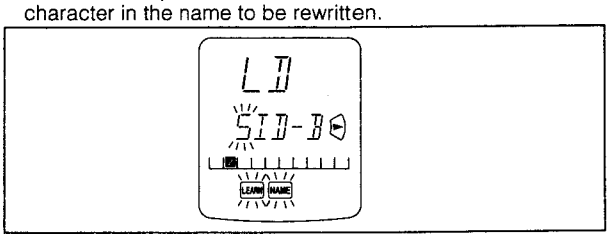
PROGRAMMING THE JOG DIAL

Let's use the example of setting 2 as the SIDE-B code for the laser disc player.

1. Use a ballpoint pen or other sharp point to press the **MODE** button [1] until the **LEARN** indicator is displayed and starts to blink.
2. Place the laser disc's remote controller so that its infrared transmitter window is facing the infrared signal receiver window on the Marantz remote controller at a distance of about 5 centimeters.
3. Press the **LD Function** button [8].
4. Rotate the **Jog Dial** [6] left or right until 2 is displayed, then press the **ENT** button [7].
   - The **LEARN** and **NAME** indicators will both be displayed.



5. Press the **SIDE-B** button on the laser disc's remote controller continuously until **OK** is displayed on the Marantz remote controller's LCD, indicating that the programming has been completed.
   - If **AGAIN** appears on the LCD, some error has prevented the command from being learned. If this happens, simply repeat the procedure from step 4.
     When the programming has been completed, the remote controller automatically switches to the NAME mode.
     The left hand position on the LCD ⓑ blinks, indicating the character in the name to be rewritten.



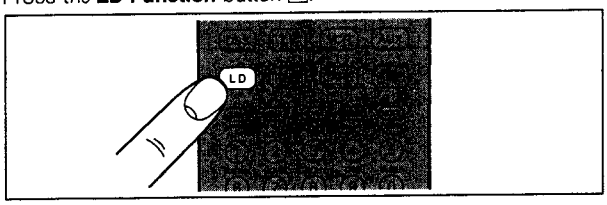
   - If you do not wish to rewrite the name, simply press the **OK** Cursor button [10].
   - If you wish to rewrite the name, input the desired characters using the ten-key pad [17]. The part of the display that is being rewritten may be selected using the < and > Cursor buttons [10]. When you are finished rewriting, press the **OK** Cursor button [10].
     To simply erase already existing characters, press the 0 button to replace them with a blank space.
     (Refer to next section on rewriting names)
6. Use the same procedure to program the codes for other 1-6 with the **Jog Dial** [6].
7. When finished programming the codes for each of the buttons, use a ballpoint pen or other sharp point to press the **MODE** button [1] to return the remote controller to the USE mode. Once **USE** is displayed on the LCD, the newly memorized codes are available for use.

REWRITING NAMES

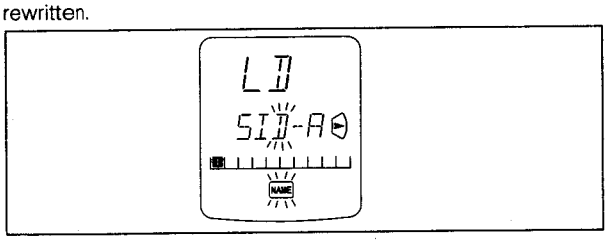
This remote controller allows the names accessible by **Jog Dial** control [6] to be rewritten with new ones of your choosing.

- Rewriting of names is performed for each individual function.
- Let's use a laser disc player as an example to show how to change the ■'s "SIDE-A" to "LD-A".

1. Use a ballpoint pen or other sharp point to press the **MODE** button [1] to switch the remote controller to the NAME mode. The **NAME** indicator blinks.
2. Press the **LD Function** button [8].



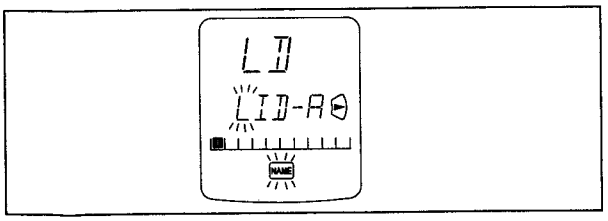
3. Use the **Jog Dial** [6] to select the page for which you wish to enter a new name.
4. The character on the left-hand side of the Command Name indicator on LCD Ⓑ will flash, indicating that it is the character ready to be rewritten. New characters entered will be written over the top of the current character so that the current character is erased.
   Use the < and > Cursor buttons [10] to select the characters to be rewritten.



5. Use the ten-key pad [17] to select the desired alphanumeric characters.
   Pressing the number buttons on the ten-key pad will cycle through the alphanumeric characters as follows:

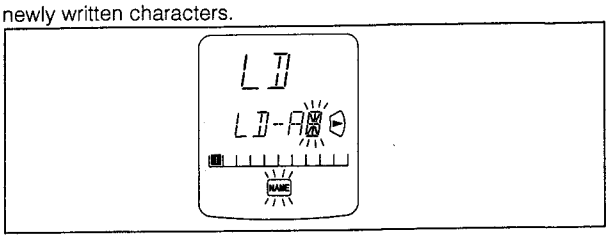
Ten-keypad	Press, press again, press again, etc.
1	A → B → C → 1 → A
2	D → E → F → 2 → D
3	G → H → I → 3 → G
4	J → K → L → 4 → J
5	M → N → O → 5 → M
6	P → Q → R → 6 → P
7	S → T → U → 7 → S
8	V → W → X → 8 → V
9	Y → Z → / → 9 → Y
0	SPACE → + → — → , → ' → 0 → SPACE (▩)

6. For example, to enter the letter "**L**", press the 4-key on the ten-key pad [17] 3 times in a row to cycle from J to K to L.



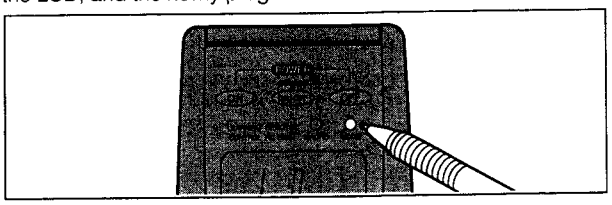
Once the desired character "**L**" appears, press either of the < and > Cursor buttons [10] and the L will be permanently written over the former character. Press the 0-key in order to replace unneeded extra characters with blank spaces.

7. Follow the same procedure to enter "D-A". When finished, press the **OK** Cursor button [10]. Pressing **OK** permanently enters the newly written characters.



- Up to 5 alphanumeric characters may be entered in the Command Name indicator of the LCD.
- To rewrite the names of the other items in the Command Name indicator, use the **Jog Dial** [6] to select the desired command and repeat from step 5.

8. When you are finished rewriting, use a ballpoint pen or other sharp point to press the **MODE** button [1] to return the remote controller to the USE mode. The **USE** indicator is displayed on the LCD, and the newly programmed codes now can be used.



ERASING PROGRAMMED CODES

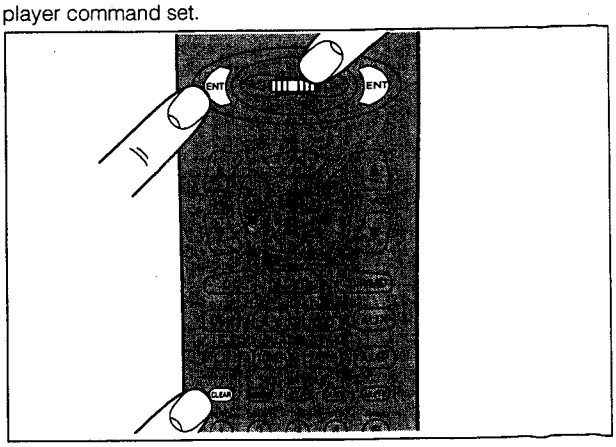
(Returning to Factory Presets)

Codes that have been programmed into the memory can be erased in 4 ways: by button(s), by function(s), by Jog Dial command, and by erasing all memory contents at once.

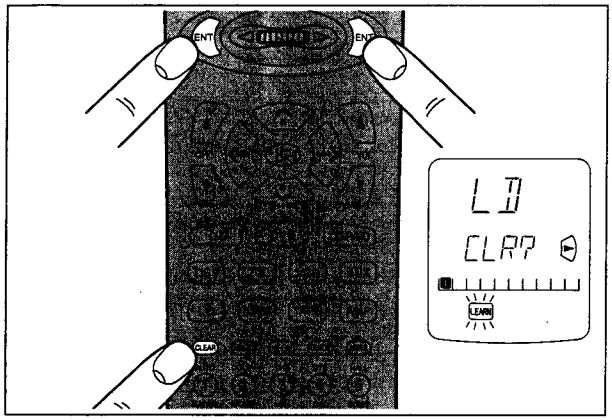
1. Use a ballpoint pen or other sharp point to press the **MODE** button [1] to switch the remote controller to the LEARN mode, so that the **LEARN** indicator is blinking on the LCD.

Note:
Erasing of programmed codes is only possible in the LEARN mode.

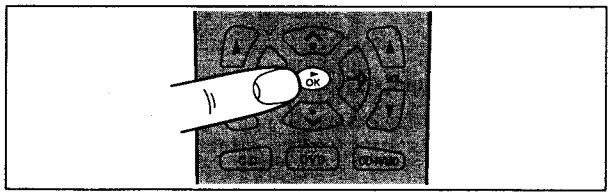
2. **Erasing by Button(s)**
   To erase the codes and names programmed for any button, press and hold the **CLEAR** button [15], then press the button to be erased twice. This will return the button to its factory presets or leave it empty if no factory presets are available.
   Jog Dial codes may be erased in the same way, by pressing and holding the **CLEAR** button [15] while using the **Jog Dial** [6] to call up the command to be erased, then pressing one of the **ENT** buttons [7] on either side of the **Jog Dial** [6] twice. This will return the button to its factory presets or leave it empty if no factory presets are available.
   To erase codes programmed for the **CLEAR** button [15], simply press the **CLEAR** button [15] continuously for 3 seconds.
   As an example, let's clear the PLAY command from the laser disc player command set.



3. **Erasing Jog Dial Codes**
To clear all codes and names previously set for each of the functions (LD, TV, etc.).
1) Press the function you want to erase.
2) Hold down the **CLEAR** button [15] and press both **ENT** buttons [7] at the same time. LCD ⓑ will display **CLR?**.

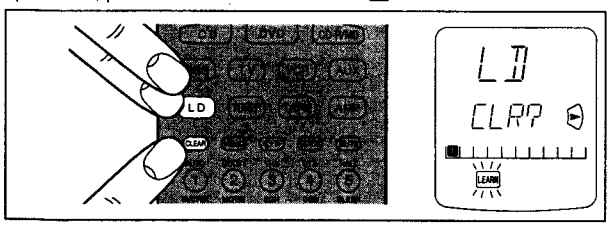


3) If you wish to continue the clearing operation, press the **OK** Cursor button [10]. This will return all 10 commands in the Jog Dial to their factory presets, or leave them empty if no factory-presets are available. Accordingly, the LCD ⓑ will return to the factory-preset displays, or will simply be empty.



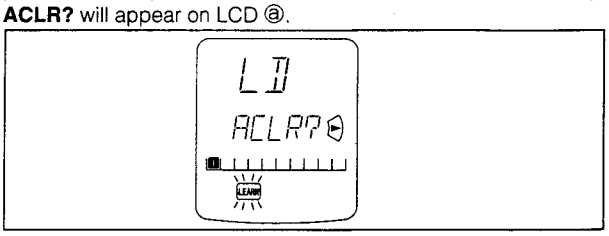
- Use a similar operation to erase the Jog Dial codes for each function.
- To cancel the memory clearing operation, do not press **OK** Cursor button [10] and simply touch any other button.

4. **Erasing Codes by Function**
To clear all codes and names previously set for each of the functions (LD, TV, etc.), press and hold the **CLEAR** button [15], then press the button for the function to be cleared twice. **CLR?** will appear on LCD ⓑ. If you wish to continue the clearing operation, press the **OK** Cursor button [10].



This will return the button to its factory-presets or leave it empty if no factory presets are available. Accordingly, the LCD ⓑ will return to the factory preset displays, or will simply be empty.
- To cancel the memory clearing operation, do not press the **OK** Cursor button [10] and simply touch any other button.
- The codes for the < • ► button [11] cannot be cleared.

5. **Erasing All Memory Contents**
To clear all the memory contents and reset all codes and names to their factory presets, press and hold the **CLEAR** button [15], and press both the power **ON** and **OFF** buttons [3] simultaneously. **ACLR?** will appear on LCD ⓐ.



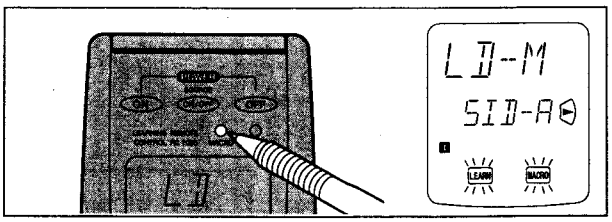
If you wish to continue the clearing operation, press the **OK** Cursor button [10].
This will return the entire memory to its factory-presets, or leave it empty for items for which no factory presets are available. Accordingly, the LCD will return to the factory-preset display or will simply be empty.
- To cancel the memory clearing operation, do not press the **OK** Cursor button [10] and simply touch any other button.

  After the **OK** Cursor button [10] is pressed, clearing the entire memory will take approximately 5 seconds.

PROGRAMMING MACROS

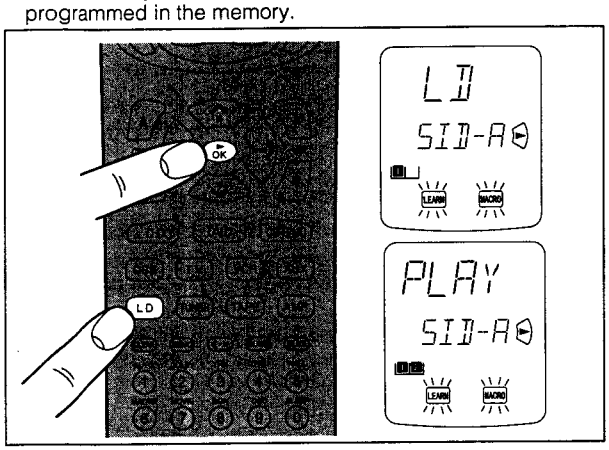
Macros make it possible to use a single function button to perform more complex series of operations that would normally require pressing several buttons. A single button can be programmed to perform up to 10 steps in sequence. A typical example of such a series might be as follows:
- Turn the main amplifier power ON → Switch the function to LD → Set the Surround Mode to Pro Logic → Switch the TV to video input → Set the laser disc player to PLAY.
- No signals may be transmitted during macro programming.
- The various steps that make up a macro are set initially to be sent one after another at 1 second intervals, however these intervals may be shortened to as little as 0.5 seconds or lengthened to as long as 5 seconds using the Setup mode.
- In the macro mode, the number of steps the macro contains is displayed on LCD ©. Macros may be programmed for each of the 11 function buttons, from LD to AMP.

1. Use a ballpoint pen or other sharp point to press the **MACRO** button [2] until the **MACRO** and **LEARN** indicators are displayed blinking on the LCD.



2. Press the **Function** button [8] for which you wish to program a series of operations. In this case, let's use the example of the laser disc player.
Press the **LD Function** button [8]. The LCD ⓐ will display LD-M. Characters displayed on LCD ⓐ include the following, depending on the function button for which the macro is being programmed:
LD-M, DVD-M, TV-M, DSS-M, VCR-M, AUX-M, TUN-M, CD-M, TP-M, AMP-M, CDR-M (or MD-M for remote controller set for MD).
  - If a macro has already been set for the selected function button, the LCD ⓐ will blink. Also, the number of steps in the macro is displayed on LCD ©.

3. Press the buttons for the operations you wish to program as a macro in the sequence you want the macro to program them. The name of the button pressed appears on LCD ⓐ. The number of steps in the macro is displayed on LCD © and this number increases by 1 with each button pressed.
   For example, press LD, PLAY.
   Each function button can be programmed to perform up to 10 steps in sequence.
   - If, while programming, no buttons are pressed for approximately 1 minute, the remote controller will automatically return to normal mode, and no macro will be programmed in the memory.



4. When you are finished programming macros, use a ballpoint pen or other sharp point to press the **MACRO** button [2]. LCD ⓐ will display **END**, and the display will return to normal.
   - Macros cannot be programmed for the **MODE** [1], **MACRO** [2], **<•►** [11], **VOL ▲/▼** [9], **MEMO** [16] or **CLEAR** [15] buttons.

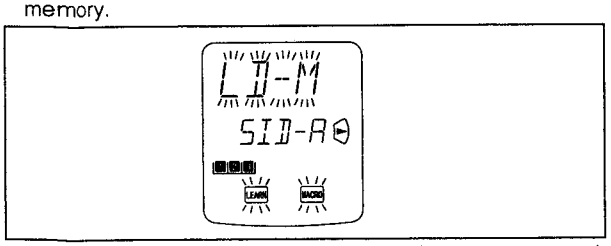
   In the macro mode it is possible to program the memory to perform macros containing up to 10 steps.

   Each of the function operations (11 including CD, DVD, etc.) can be used in a macro more than once, however for all except AMP, only the first function operation will be transmitted as a signal from the remote controller. Accordingly, within a single macro, it is not possible to switch between multiple function operations. (This is to prevent the switching of the receiver function operation.) Within a macro, the second time a function operation is used, it will only be used on the remote controller itself and no signal will be transmitted to the component.

EDITING MACROS

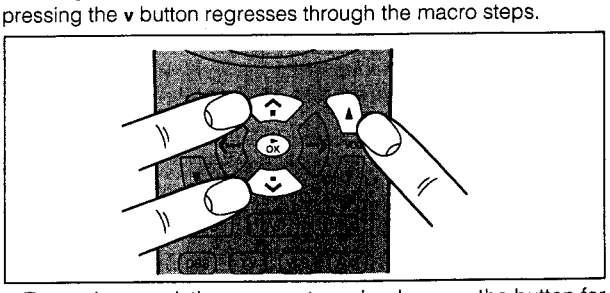
Macros may be edited using following procedure.

1. Use a ballpoint pen or other sharp point to press the **MACRO** button [2] until the **MACRO** and **LEARN** indicators are displayed blinking on the LCD.
2. Press the **Function** button [8] to be changed. Let's use the example of the laser disc player, by pressing the **LD Function** button [8].
   - **LD-M** is displayed blinking on LCD ⓐ.
   - The number of steps in the completed macro is highlighted on LCD ©. In this example there are 3 macro programs in memory.

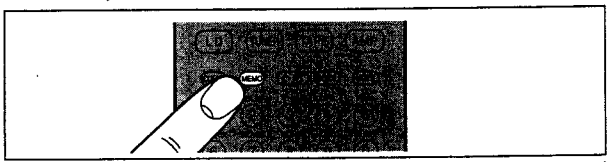


   The ■ is highlighted if no macros have been programmed, and the remote controller is ready for macro programming.

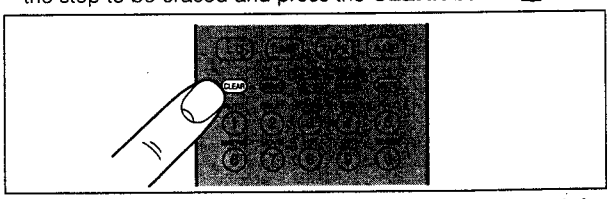
3. While pressing the **VOL ▲** button [9], use the **^** and **v** Cursor buttons [10] to call up the portion of the macro to be changed. Pressing the **^** button advances through the macro steps and pressing the **v** button regresses through the macro steps.



   - To rewrite an existing macro step, simply press the button for the new step. The old step will be erased and rewritten with the new step.
   - To insert a new step in between existing steps in a macro, after step 3 press the **MEMO** button [16], then press the button for the new step. The numbers of the other steps will be adjusted accordingly to accommodate the new step. Since only 10 steps may be stored in any macro, the tenth step will be erased if a step is inserted when the total number of steps is already 10.



   - To erase a step in a macro, after step 3 call up the number of the step to be erased and press the **CLEAR** button [15].



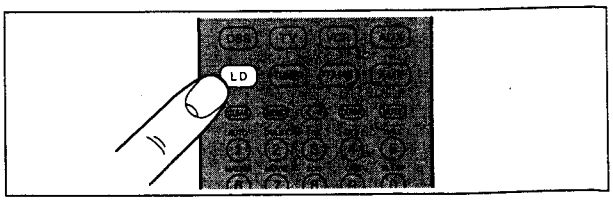
   - If while editing macros no buttons are pressed for approximately 1 minute, the remote controller will automatically return to normal mode, and no macro changes will be programmed in the memory.

4. When you are finished editing macros, use a ballpoint pen or other sharp point to press the **MACRO** button [2]. **END** will be displayed on LCD ⓐ and the display will return to normal.

USING MACROS

The following procedure will show how to use the function buttons for which you have programmed macros.

1. Press the **Function** button [8] for the desired macro for 3 seconds. **MACRO** is displayed on LCD ⓐ for approximately 1 second, after which the number of steps in the macro is displayed on LCD ©.



   - The remote controller will do nothing if no macros are programmed. The macro steps are executed in order and the names of their buttons are displayed on the LCD. Also, the step numbers displayed on LCD © disappear as each step is executed.

2. After all macro commands have been transmitted, the remote controller returns to normal mode.
   - To cancel the transmission of a programmed macro, use the Cursor buttons [10] to press ■.

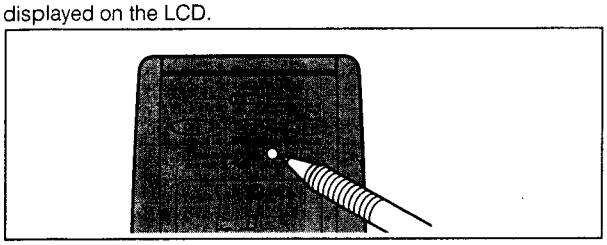
ENGLISH

EXAMPLES OF MACRO PROGRAMS

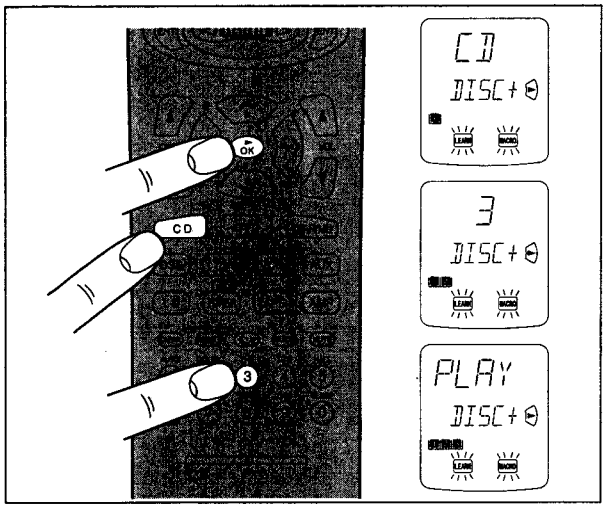
Example 1

Change the input source for the amplifier to CD and play the 3rd track on a CD in the CD player.

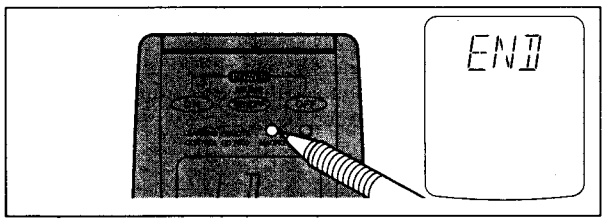
1. Use a ballpoint pen or other sharp point to press the **MACRO** button [2], then press the **CD Function** button [8]. CD-M is displayed on the LCD.



2. Press **CD** [8], **3** [17], and ► [10] buttons.

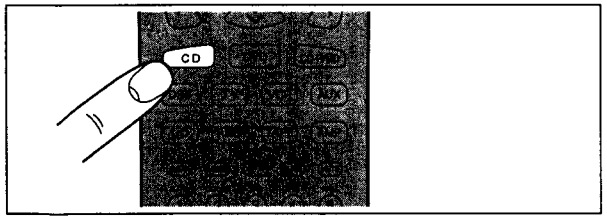


When you are finished programming the macro, use a ballpoint pen or other sharp point to press the **MACRO** button [2].

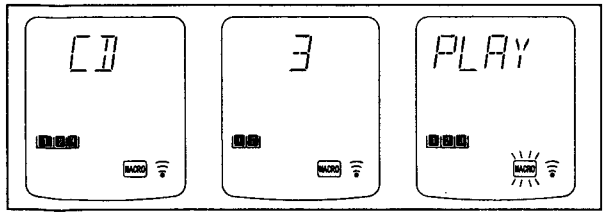


Now, execute the macro you just programmed.

1. Press the **CD Function** button [8] for 3 seconds.



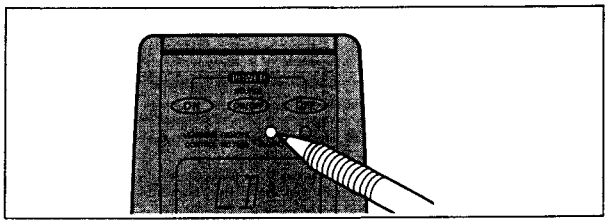
2. The macro commands are transmitted to the components in order, and the names of the operations being performed are displayed on the LCD in order.



Example 2

Turn the main amplifier ON → Change the amplifier's input source to LD → Set the Surround mode to DOLBY → Switch the TV to video input → Set the laser disc player to PLAY.

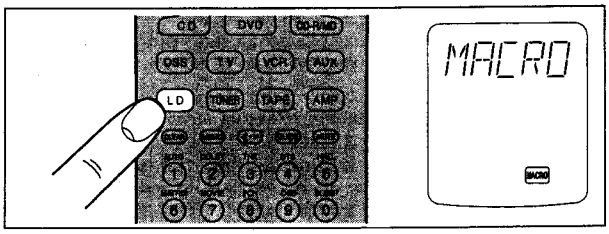
1. Use a ballpoint pen or other sharp point to press the **MACRO** button [2].



2. Press the **LD Function** button [8].
   - Here the **LD Function** button [8] is used as the macro button, but any function button can in fact be used.
3. To set the various steps of the macro, press the following buttons in order: **POWER ON** [3], **LD** [8], **AMP*** [8], **2** (DOLBY) [17], **TV*** [8], **VIDEO** (use **Jog Dial** [6] to select VIDEO and press **ENT** button [7]) , **LD*** [8], ► [10].
4. When you are finished programming the macro, use a ballpoint pen or other sharp point to press the **MACRO** button [2]. The remote controller returns to normal mode.

Now, execute the macro you just programmed.

1. Press the **LD Function** button [8] for 3 seconds.
   The macro commands are transmitted in order, and the names of the operations being performed are displayed on LCD ⓐ in order.

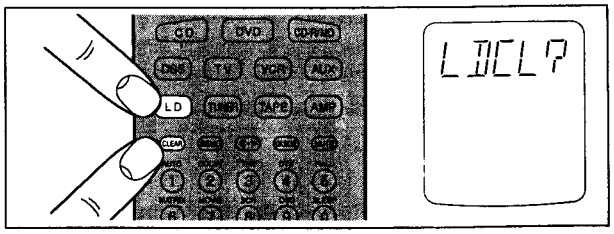


- When executing this macro, function operations AMP*, TV*, and LD* only switch the command set of the remote controller and no signal is transmitted to the component.
- To cancel the transmission of a programmed macro, use the Cursor buttons [10] to press ■.

CLEARING MACRO PROGRAMS

The following procedure is used to erase macros you have programmed into the remote controller's memory.

1. Press and hold the **CLEAR** button [15], then the button for the function [8] to be cleared (in this case LD) for 3 seconds. **LDCL?** will appear on LCD ⓐ. If you wish to continue the clearing operation, press the **OK** Cursor button [10].



- To cancel the memory clearing operation, do not press **OK** Cursor button [10] and simply touch any other button.

OTHER FUNCTIONS

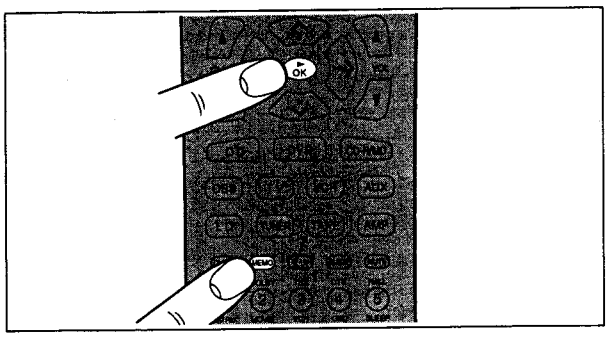
LUMINOUS BUTTONS

The buttons on this remote controller are designed to remain luminous in dim lighting conditions. If the buttons are no longer luminous when the remote controller is used in low light, recharge them by placing it near a fluorescent or other light source for a sufficient amount of time. This should return the buttons to their luminous condition.

SETUP

Switch the RC-5 destination or adjust the time interval between transmissions of macro operations as follows:

1. While pressing the **MEMO** button [16], press the **OK** Cursor button [10]. This will switch the remote controller to the Setup mode.



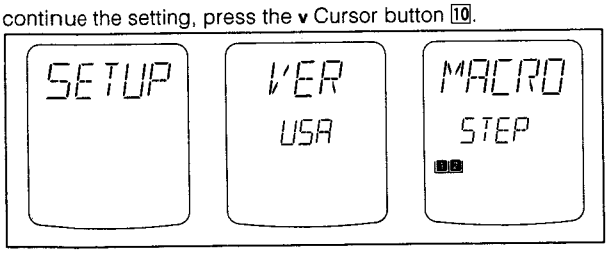
The Setup mode includes the following items, which may be accessed using the ^ and v Cursor buttons [10].

- Switch destination (version) (VER)
- Adjust time interval between transmissions of macro operations (MACRO)

VER: Switches the type of preset codes contained in the remote controller .

LCD ⓐ displays **VER**, while LCD ⓑ displays either **USA** or **REST**.
USA means that the **CD-R/MD Function** button [8] is set to CD-R.
REST means that the **CD-R/MD Function** button [8] is set to MD.
Use the < and > Cursor buttons [10] to select the desired version, then press the **OK** Cursor button [10]. This will finish the operation and return the LCD to its original state.

- To cancel the setting, press any button other than the Cursor buttons [10].
- To continue the setting, press the v Cursor button [10].



Note:

Codes that have been programmed will not be erased even if the VER setting is changed, however the **NAME** indicator displays associated with the Jog Dial command will be changed. Also, the Jog Dial commands for CD-R/MD functions that are contained within macros will also change.

MACRO: Adjusts the time interval between transmissions of macro operations

When the v Cursor button [10] is pressed, LCD ⓐ displays **MACRO**, while LCD ⓑ displays **STEP**.
One square (■) in LCD ⓒ is equivalent to an interval of 0.5 seconds, allowing intervals of up to 5 seconds to be set. The remote controller is set at the factory with an interval of 1 second, as indicated by ■■□□□□□□□□. Adjust the interval between transmission of operation codes using the ^ and v Cursor buttons [10], then press the **OK** Cursor button [10].

- To cancel the setting, press any button other than the Cursor button [10].
- To continue the setting, press the v Cursor button [10].

BATTERY LIFE

- New batteries will last about 6 months assuming an average of 30 uses per day.

Note:

The batteries shipped with the remote controller are for the purpose of checking function and may not last as long as new batteries.

NUMBER OF LEARNABLE CODES

The remote controller (RC7000SR) uses 128-Kbyte large-capacity non-volatile memory (EEPROM) and is therefore capable of learning a maximum of 330 remote control codes. This applies only to Philips RC-5 remote programming language codes, however, and depending on the type of other codes that are programmed, the remote controller can learn less than 330 codes.

ENGLISH

JOG DIAL COMMAND FUNCTIONS LISTING

Each of the 10 Jog Dial commands on the LCD has 5 character labels attached for pre-programmed remote commands. These commands can be used with various Marantz A/V components, or other components using the Philips RC-5 remote control language.
You can easily replace the factory-supplied remote command codes with different codes from other brands of component. Most of the supplied functions apply to a wide variety of component from many companies. The following list shows the remote code assignments for the Jog Dial commands, for each of the 11 Function buttons, as supplied from the factory. You can add or replace Jog Dial commands, including re-naming them if you wish, in order to customize the remote controller for your own particular selection of A/V components.

Function	Jog Dial command	Note
AMP	1 MODE	selects surround mode
	2 A/D	switches analog/digital input
	3 ATT	switches attenuator for analog input
	4 NIGHT	selects NIGHT mode for Dolby Digital
	5 MULTI	activates multi-room mode
	6 6-DIR	activates 6-channel input
	7 TRB+	increases treble
	8 TRB-	decreases treble
	9 BAS+	increases bass
	0 BAS-	decreases bass
TUNER	1 FM	FM band
	2 AM	AM/MW band
	3 LW	Long Wave band
	4 T-MOD	mono/stereo/muting mode selector
	5 SCAN	programmed preset channel scan
⊗	6 STM	selects station mode
⊗	7 AF	selects AF function
	8 PTY	selects PTY function
	9 DISP	selects display function
⊗	0 DWR	selects DSR wave range
TV	1 A/CH	alternate channel
	2 100S	100's
	3 VIDEO	selects video
	4 INFO	information
	5 S-PIC	smart picture
	6 S-SUD	smart sound
	7 S-CH	smart channel
	8 ADV	advance
	9 OSD	activates on-screen display
	0 MENU	menu
CD	1 DISC+	CD changer next disc
	2 DISC-	CD changer previous disc
	3 TEXT	activates text function
	4 SHUFL	shuffle play function
	5 REPT	repeat function
	6 TRAY	tray open/close
	7 AMS	automatic music scan
	8 TIME	time display elapsed/remaining/total
	9 FF	fast forward
	0 REW	rewind
LD	1 SID-A	side A
	2 SID-B	side B
	3 DISP	display on/off
	4 AMS	automatic music scan
	5 AUDIO	selects audio mode
	6 RPT-A	repeat A start point
	7 RPT-B	repeat B stop point
	8 CP/F	selects chapter or frame
	9 EDIT	activates edit function
	0 D/CX	selects digital audio/analog audio/CX NR
TAPE	1 TP-A	selects tape deck A
	2 TP-B	selects tape deck B
	3 DIR	auto reverse direction
	4 TIME	time display
	5 TRAY	tray open/close
	6 AMS	automatic music scan
	7 REC	record
	8 PAUSE	pause
	9	
	0	

Function	Jog Dial command	Note
VCR	1 REC	record
	2 SLCT	selects TV or VCR
	3 2XPLY	twice normal playback speed
	4 SLOW	slower than normal playback speed
	5 STIL	still frame
	6 OTR	one touch recording
	7 AUDIO	audio track selector
	8 SKIP	skip to next program marker
	9 VIS+	VHS index search next
	0 VIS-	VHS index search previous
DSS/V2	1 DISP	brings up on-screen channel marker
	2 PREV	goes to previously selected channel
	3 SELCT	selects TV or VCR
	4 AUDIO	audio track selector
	5 FAV	favorite users and channel lists
	6 ALT	alternate audio channel, languages
	7 FTCH	brings up on-screen channel logos
	8ANT	select broadcast or cable antenna
	9 REC	record
	0 OTR	one touch recording
AUX	1 No	pre code data
	2 No	pre code data
	3 No	pre code data
	4 No	pre code data
	5 No	pre code data
	6 No	pre code data
	7 No	pre code data
	8 No	pre code data
	9 No	pre code data
	0 No	pre code data
DVD	1 OSD	activates on-screen display
	2 TITLE	selects title menu
	3 ZOOM	zoom mode on/off
	4 MENU	selects main menu
	5 10+	digit entry +10
	6 SETUP	selects setup menu
	7 ANGLE	selects angle
	8 SUB-T	selects subtitle
	9 RESUM	resume function
	0 AUDIO	selects audio

For USA setups

Function	Jog Dial command	Note
CDR	1 INPUT	selects input source
	2 INCR	increments track number
	3 SYNC	activates SYNCRO. recording
	4 REC	records pause
	5 PROG	activates program mode
	6 TRAY	tray open/close
	7 DISP	display mode
	8 FINAL	finalizes (writes TOC)
	9 BLANK	records blank
	0 REPT	activates repeat mode

For REST setups

Function	Jog Dial command	Note
MD	1 REC	records pause
	2 REPT	selects repeat mode
	3 RANDM	random play
	4 DISP	selects display mode
	5 EDIT	selects edit mode
	6 EJCT	eject
	7 LP	selects SP/LP mode
	8 DEL	selects delete
	9 ENTER	selects enter
	0 SYNC	SYNCRO. recording

The marked "⊗" commands are not used for SR7000.

SURROUND MODES

The SR7000 incorporates digital signal processors (DSP) which can reproduce various surround effects you experience in concert halls and movie theaters, etc. Nine Surround Modes, are provided to reproduce a variety of surround sound effects, according to the content of the source to be played.

Surroud mode	FEATURES
1. AUTO	When this mode is selected, the receiver determines whether the digital input signal is Dolby Digital, PCM-audio or DTS. **Note:** When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played. Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro-Logic processing before play. 96 kHz source matirial can be play back in this mode.
2. STEREO	This mode bypasses all surround processing. Stereo program sources the left and right channels play normaly when PCM-audio or analog stereo is input. With Dolby Digital and DTS sources, the 5.1 multi-channels are converted to two channel stereo. 96 kHz source matirial can be play back in stereo mode.
3. DOLBY	This mode is used with source materials encoded in Dolby Digital and Dolby Surround. Dolby Pro Logic processing can be used on Dolby Surround encoded two channel source material (Dolby Digital two channels, PCM-audio and Analog stereo). This allows play of the four discrete channels (left, center, right and surround). **Note:** PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz. When a signal in another format is input, output will be muted.
4. DTS Cinema Music	This mode is for DTS encoded source materials such as LASER DISC, CD, and DVD. In the DTS Music mode, the LFE signal is reduced by 10 dB. With DTS music material, you should select the DTS Music mode. When playing DTS movie discs select DTS cinema mode for proper reproduction of the LFE channel. The DTS mode cannot be used when an Analog input has been selected. When the signal in another digital format is input, output will be muted.
5. MOVIE HALL MATRIX	These modes provide surround effect processing from each input source material. They will produce theater, concert hall and stadium like atmospheres. Select as your taste desires. **Note:** PCM-audio signals can be processed in this mode when sampling frequency is 32 kHz, 44.1 kHz or 48 kHz. The 96 kHz sampling frequency mutes output.
6. 5-STEREO	This mode is used to create a wider, deeper and more natural soundstage from two channel source material. This is done by feeding the left channel signal to both left front and left surround speaker and the right channel signal to both right front and right surround speaker. Addtionally, the center channel reproduces a mix of the right and left channel.
7. S-Direct ON	In the source direct mode, the tone control circuite and bass management configuration are bypassed for full range frequeancy responce and the purist audio reproduction. 96 kHz source matirial can be play back in this mode. **Notes:** Internal speaker size is setup to front L/R = Large, Center = Large, Surround L/R = Large and Subwoofer = yes automatically. Tone controls are also defeated.

Caution for DTS signal:
This signal can be played when the connected DVD-player, laser-disc player or CD-player is capable of DTS-digital output. For details, refer to the player's operation manual.

Depending on the player used, DTS play may produce noise. If that happens, set the Surround mode to DTS.

Playing a DTS-CD or DTS laser disc causes the player's analog output terminal to output noise. Before playing DTS sources, be sure to connect the player's digital output to the SR7000's digital input. Be careful when connecting the output of these players to analog audio input.
Note that the SR7000 has the following restrictive functions built in to reduce noise emission as much as possible.
If DTS is selected while in the Surround mode, digital input cannot be switched to analog input. When the analog input function has been selected, Surround mode cannot be switched to DTS.
While signals from DTS-laser disc or CD are playing in another Surround mode, you cannot switch to digital input or from digital input to analog input.

Caution for 96 kHz PCM-audio signal:
This signal can be played when a DVD-player or DAT-player connected to the SR7000 is capable of 96 kHz PCM output. For details, refer to the player's operation manual.
The signal can be played when STEREO or AUTO has been selected for the Surround mode.
Some DVD formatted discs featured copy protect. When use such disc, 96 kHz PCM signal is not output from the DVD player. For details, refer to the player's operation manual.

The relation between the selected surround mode and the input signal

The surround mode is selected with the surround mode buttons of the SR7000 or the remote control unit. However, the sound from the speakers depend upon the relationship between the selected surround mode and the input signal. They are as follows;

Surround Mode	Input Signal	Output				Fluorescent Indicator			LED Indicator
		L/R	LS/RS	C	SW	Encoded	Mode	status (14seg)	Ch. Status
AUTO	Dolby Digital (5.1 ch)	O	O	O	O	DD	DD Digital, Auto		L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	-	-	O	DD	DD Digital, Auto		L, R
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	DD	DD Digital, Auto, Pro Logic		L, R, S
	96kHz PCM	O	-	-	O	PCM	Stereo, Auto	96 kHz	L, R
	PCM (audio)	O	-	-	O	PCM	Stereo, Auto		L, R
	Analog	O	-	-	O	ANALOG	Stereo, Auto		-
	DTS (5.1 ch)	O	O	O	O	DTS	dts, Auto		L, C, R, LS, RS, LFE
STEREO	Dolby Digital (5.1 ch)	O	-	-	O	DD	STEREO		L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	-	-	O	DD	STEREO		L, R
	Dolby Digital (2 ch: Lt/Rt)	O	-	-	O	DD	STEREO		L, R, S
	96kHz PCM	O	-	-	-	PCM	STEREO	96 kHz	L, R
	PCM (audio)	O	-	-	O	PCM	STEREO		L, R
	Analog	O	-	-	O	ANALOG	STEREO		-
	DTS (5.1 ch)	O	-	-	O	DTS	STEREO		L, C, R, LS, RS, LFE
DOLBY	Dolby Digital (5.1 ch)	O	O	O	O	DD	DD Digital		L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	O	O	O	DD	DD Digital, Pro Logic		L, R
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	DD	DD Digital, Pro Logic		L, R, S
	96kHz PCM	-	-	-	-	(PCM)	DD Digital	96 kHz	-
	PCM (audio)	O	O	O	O	PCM	Pro Logic		L, R
	Analog	O	O	O	O	ANALOG	Pro Logic		-
	DTS (5.1 ch)	-	-	-	-	DTS	DD Digital		-
DTS Cinema	Dolby Digital (5.1 ch)	-	-	-	-	(DD)	dts	No data	-
	Dolby Digital (2 ch)	-	-	-	-	(DD)	dts	No data	-
	Dolby Digital (2 ch: Lt/Rt)	-	-	-	-	(DD)	dts	No data	-
	96kHz PCM	-	-	-	-	(PCM)	dts	96 kHz	-
	PCM (audio)	-	-	-	-	(PCM)	dts	No data	-
	Analog	-	-	-	-	-	dts	No data	-
	DTS (5.1 ch)	O	O	O	O	DTS	dts	-	L, C, R, LS, RS, LFE
DTS Music	Dolby Digital (5.1 ch)	-	-	-	-	( )	dts	No data	-
	Dolby Digital (2 ch)	-	-	-	-	(DD)	dts	No data	-
	Dolby Digital (2 ch: Lt/Rt)	-	-	-	-	(DD)	dts	No data	-
	96kHz PCM	-	-	-	-	(PCM)	dts	96 kHz	-
	PCM (audio)	-	-	-	-	(PCM)	dts	No data	-
	Analog	-	-	-	-	-	dts	No data	-
	DTS (5.1 ch)	O	O	O	O	DTS	dts	-	L, C, R, LS, RS, LFE
HALL MATRIX MOVIE	Dolby Digital (5.1 ch)	O	O	O	O	DD	Movie, Hall or Matrix	-	L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	O	O	O	DD	Movie, Hall or Matrix	-	L, R
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	DD	Movie, Hall or Matrix	-	L, R, S
	96kHz PCM	-	-	-	-	(PCM)	Movie, Hall or Matrix	96 kHz	-
	PCM (audio)	O	O	O	O	PCM	Movie, Hall or Matrix	-	L, R
	Analog	O	O	O	O	ANALOG	Movie, Hall or Matrix	-	-
	DTS (5.1 ch)	O	O	O	O	DTS	Movie, Hall or Matrix	-	L, C, R, LS, RS, LFE
5-STEREO	Dolby Digital (5.1 ch)	O	O	O	O	DD		5 CH	L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	O	O	O	DD		5 CH	L, R
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	O	DD		5 CH	L, R, S
	96kHz PCM	-	-	-	-	(PCM)		96 kHz	-
	PCM (audio)	O	O	O	O	PCM		5 CH	L, R
	Analog	O	O	O	O	ANALOG		5 CH	-
	DTS (5.1 ch)	O	O	O	O	DTS		5 CH	L, C, R, LS, RS, LFE
S-Direct	Dolby Digital (5.1 ch)	O	O	O	O	DD	DD Digital, Auto	S-DIRECT	L, C, R, LS, RS, LFE
	Dolby Digital (2 ch)	O	-	-	-	DD	DD Digital, Auto	S-DIRECT	L, R
	Dolby Digital (2 ch: Lt/Rt)	O	O	O	-	DD	DD Digital, Auto, Pro Logic	S-DIRECT	L, R, S
	96kHz PCM	O	-	-	-	PCM	Stereo, Auto	S-DIRECT	L, R
	PCM (audio)	O	-	-	-	PCM	Stereo, Auto	S-DIRECT	L, R
	Analog	O	-	-	-	ANALOG	Stereo, Auto	S-DIRECT	-
	DTS (5.1 ch)	O	O	O	O	DTS	dts, Auto	S-DIRECT	L, C, R, LS, RS, LFE
6ch Input	-	O	O	O	O	-	-	6CH-INPUT	-

Note:

Dolby Digital (2 ch: Lt/Rt): signal with Dolby Surround flag Speajers are full set.

L/R : Front speaker
LS/RS : Surround speaker
C : Center speaker
SW : Sub woofer speaker

( ): The indicator blinks

TROUBLESHOOTING

In case of trouble, check the following before calling for service:

1. Are the connections made properly ?
2. Are you operating the unit properly following user's guide ?
3. Are the power amplifiers and speaker working properly ?

If the unit does not operate properly, check items shown in the following table.
If your trouble cannot be recovered with the remedy actions listed in the following table, malfunction of the internal circuitry is suspected; immediately unplug the power cable and contact your dealer, nearest Marantz distributor or the Marantz Service Center in your country.

ENGLISH

SYMPTOM	CAUSE	REMEDY
SR7000 cannot be turned up.	The power plug is not connected.	Connect the power plug to the outlet.
No sound and picture are output even when power is on.	Mute is on. The input cable is not connected correctly. The master volume control is turned all the way down. The function selector position is wrong.	Cancel mute using the remote control unit. See the connection diagram and connect the cables correctly. Adjust the master volume. Select correct position.
Speaker does not outputting any sound.	The headphones are connected to the headphone jack.	Disconnect the headphones. (Speakers will not output sound when headphones are connected.)
Sound and pictures from other than equipment selected with the function selector.	Input cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
Sound from the wrong channel is output from the speaker.	Speaker cable connected incorrectly.	Connect the cable correctly by referring to the connection diagram.
No sound is output from the center speaker.	The center speaker cable connection is incomplete. STEREO has been selected for Surround mode. Center = NONE has been selected in SETUP mode.	Connect the cable correctly. When STEREO is selected for Surround mode, no sound will be output from the center speaker. Set another Surround mode. Make the correct setting.
No sound is output from the surround speakers.	The surround speaker cable connection is incomplete. STEREO has been selected for Surround mode. Surround = NONE has been selected in SETUP mode.	Connect the cable correctly. When STEREO has been selected for Surround mode, no sound will be output from the surround speaker. Set another Surround mode. Make the correct setting.
No output to Sub Woofer Out.	Sub-woofer = NO has been selected in SETUP mode.	Select Sub-woofer = YES.
Surround mode cannot be changed.	The headphones are connected to the jack.	Disconnect the headphones. (When headphones are connected, Surround mode will be fixed to STEREO.)
Noise is produced during DTS-encoded CD or laser disc play.	Analog has been selected for input.	Be sure to perform digital connection, select digital input, then play.
DTS sources cannot be played.	Surround mode is set to DOLBY. The DVD or LD player is not DTS digital out capable.	Select other mode. Use a player which responds to DTS-digital out.
Player skips during play of a DTS source and produces noise.	Data error occurred during player skip.	Set Surround mode to DTS-cinema or DTS-music..
A 96kHz PCM signal cannot be played.	The disc player is not 96kHz PCM digital out capable. Surround mode is set to other than STEREO and AUTO.	Use a player that responds to 96kHz PCM digital out. Set Surround mode to STEREO or AUTO.
A normal PCM signal (CD or laser disc) cannot be played.	Surround mode is set to DTS-cinema or DTS-music.	Select other mode.
A Dolby Digital signal cannot be played.	Surround mode is set to DTS-cinema or DTS-music.	Select other mode.
A specific channel does not produce output.	Nothing recorded on source.	Check the encoded channel on the source side.
FM or AM reception fails.	Antenna connection is incomplete.	Correctly connect the indoor FM and AM antennas to FM and AM antenna outlets.
Noise is heard during AM reception.	Reception is affected by other electrical fields.	Try changing location where the AM indoor antenna is set up.
Noise is heard during FM reception.	The radio waves from the broadcasting station are weak.	Install an FM outdoor antenna.
Cannot get programmed station when the PRESET button is pressed.	Preset data has been erased.	Disconnecting power plug for long periods of time will erase preset data. If that happens, input the preset data again.
Nothing appears on the remote commander display.	Batteries are consumed.	Replace all the batteries with new ones.
Control with the remote control unit fails.	Batteries are consumed.. Remote controller's function-key setting is wrong. The distance between this SR7000 and the remote commander is too far. Something is blocking SR7000 and the remote commander.	Replace all the batteries with new ones.. Select different position from which equipment will be controlled. Move closer to this SR7000. Remove offending object.

GENERAL MALFUNCTION

If the equipment malfunctions, this may be because an electrostatic discharge or AC line interference has corrupted the information in the equipment memory circuits. Therefore:

- disconnect the plug from the AC line supply
- after waiting at least three minutes, reconnect the plug to the AC line supply
- re-attempt to operate the equipment

ERROR MESSAGES

When the display indicates some error messages (e.g. ERROR **), unplug the power cable immediately. Contact your dealer, nearest Marantz distributor or the Marantz service center in your area.

Memory backup

- In case a power outage occurs or the power cord is accidentally unplugged, the SR7000 is equipped with a backup function to prevent memory data such as the preset memory from being erased.
  The memory functions are backed up for up to about one week.

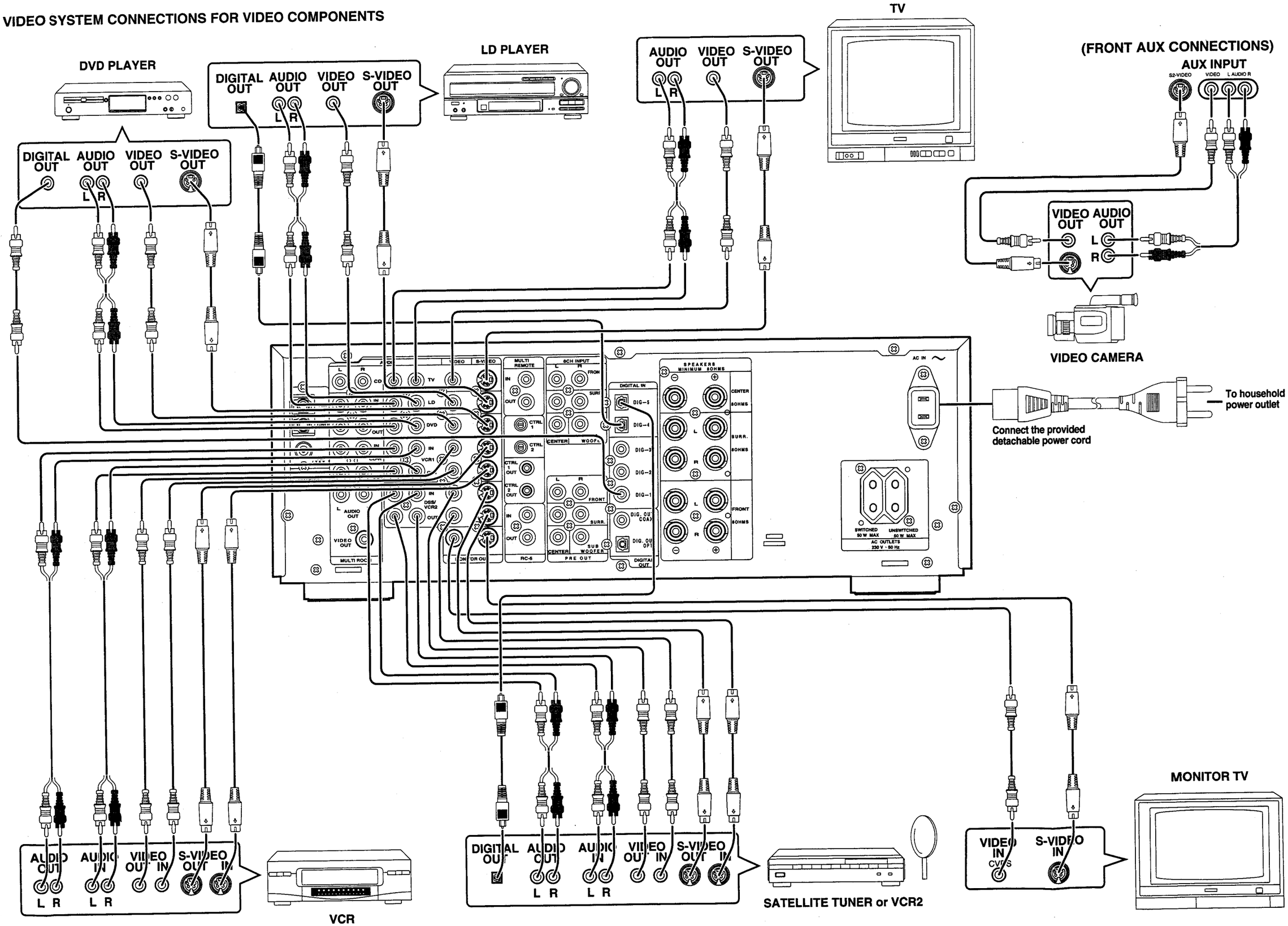
NOTE:

First of all keep SR7000 Standby or Powered-on more than 6 hours, to sufficient time for memory back up.

HOW TO RESET THE UNIT

Should the operation or display seem to be abnormal, reset the unit with the following procedure.
The SR7000 is turned on, press and hold the **CLEAR** ⑬ and **DISPLAY OFF** buttons ⑪ simultaneously for 3 seconds or more.
Remember that the procedure will reset the settings of the function selector, Surround mode, delay time, TUNER PRESET etc., to their initial settings.

VIDEO SYSTEM CONNECTIONS FOR VIDEO COMPONENTS



AUDIO SYSTEM CONNECTIONS FOR AUDIO COMPONENTS

CD PLAYER

OUTPUT
L
R
DIGITAL OUTPUT

MD PLAYER

DIGITAL INPUT

CD Recorder

DIGITAL INPUT
DIGITAL OUTPUT

NORMAL INPUT
INVERT OUTPUT

SUBWOOFER AMPLIFIER (MA500 or MA700)

SPEAKER SYSTEM

CENTER SPEAKER

(L) (R)

SUBWOOFER

(L) (R)

SURROUND SPEAKER

AM LOOP ANTENNA

AM EXTERNAL ANTENNA

FM EXTERNAL ANTENNA

FM FEEDER ANTENNA

F-type converter plug (attached)
• When using the FM antenna attach to this apparatus

To a component with REMOTE (Marantz RC-5 D-BUS) jacks
Refer to "CONNECTION FOR A SUBWOOFER" (Page 7)

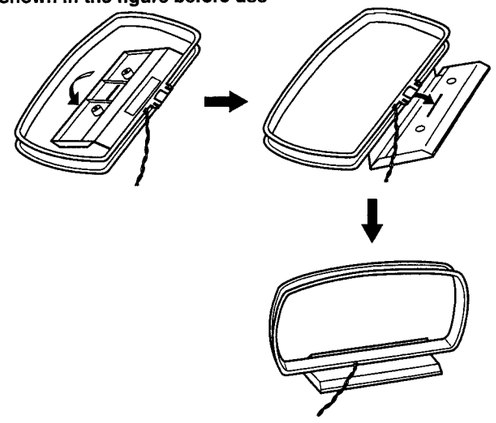
OUT IN
L L
R R

CD RECORDER/MD PLAYER

OUT IN
L L
R R

TAPE DECK

Assemble the AM loop antenna as shown in the figure before use



MULTI ROOM
INPUT

IR RECEIVER

MULTI ROOM SPEAKER

LINE IN
L
R

RC IN

(L) (R)

MAIN AMP (For MULTI ROOM)

MONITOR TV for MULTI ROOM

VIDEO IN

MULTI ROOM

CE MARKING

CE **English**
The SR7000 is in conformity with the EMC directive and low-voltage directive.

CE **Français**
Le SR7000 est conforme à la directive EMC et à la directive sur les basses tensions.

CE **Deutsch**
Das Modell SR7000 entspricht den EMC-Richtlinien und den Richtlinien für Niederspannungsgeräte.

CE **Nederlands**
De SR7000 voldoet aan de EMC eisen en de vereisten voor laag-voltage.

CE **Español**
El SR7000 está de acuerdo con las normas EMC y las relacionadas con baja tensión.

CE **Italiano**
Il SR7000 è conforme alle direttive CEE ed a quelle per i bassi voltaggi.

CE **Português**
O SR7000 conforma com as diretrizes EMC e de baixa voltagem.

CE **Svenska**
SR7000 är tillverkad i enlighet med EMC direktiven och direktiven för lågvoltsutrusning.

CE **Dansk**
Model SR7000 er i overensstemmelse med EMC-direktiveet og direktivet om lavspænding.

English
To ventilate the unit, do not install the unit in a rack or bookshelf, and note the followings.
- Do not touch the top of the enclosure during operation.
- Do not block the openings in the enclosure during operation.
- Do not insert objects beneath the unit.
- Do not block the ventilation slots at the top of the unit. Do not place anything about 1 meter above the top panel.
- Make a space of about 0.2 meter around the unit.

Français
Pour que l'appareil puisse être correctement ventilé, ne pas l'installer dans un meuble ou une bibliothèque et respecter ce qui suit.
- Ne pas toucher le dessus du coffret.
- Ne pas obstruer les ouïes de ventilation du coffret pendant le fonctionnement.
- Ne placer aucun objet sous l'appareil.
- Ne pas obstruer les ouäes de ventilation du panneau supérieur. Ne placer aucun objet à moins d'un mètre environ du panneau supérieur.
- Veiller à ce qu'aucun objet ne soit à moins de 0,2 mètre des côtés de l'appareil.

Deutsch
Um eine einwandfreie Belüftung des Geräts zu gewährleisten, darf das Gerät nicht in einem Gestell oder Bücherregal aufgestellt werden; die folgenden Punkte sind besonders zu beachten:
- Während des Betriebs das Oberteil des Gehäuses nicht berühren.
- Während des Betriebs die Öffnungen im Gehäuse nicht blockieren.
- Keine Gegenstände in das Gerät einführen.
- Die Belüftungsschlitze an der Oberseite des Geräts dürfen nicht blockiert werden. Darauf achten, daß über dem Gerät ein Freiraum von mindestens 1 meter vorhanden ist.
- Auf allen Geräteseiten muß ein Zwischenraum von ungefähr 0,2 meter vorhanden sein.

Nederlands
Installeer het toestel niet in een rek of boekenkast waar de ventilatie mogelijk wordt gehinderd. Let tevens op de volgende punten:
- Raak de bovenkant van het toestel niet aan als het in gebruik is.
- Blokkeer de openingen van het toestel niet als het in gebruik is.
- Plaats geen onderwerpen onder het toestel.
- Blokkeer de ventilatie-openingen aan de bovenkant van het toestel niet. Zorg dat er tenminste 1 meter vrije ruimte boven het toestel is.
- Zorg dat er 0,2 meter vrije ruimte rond het toestel is.

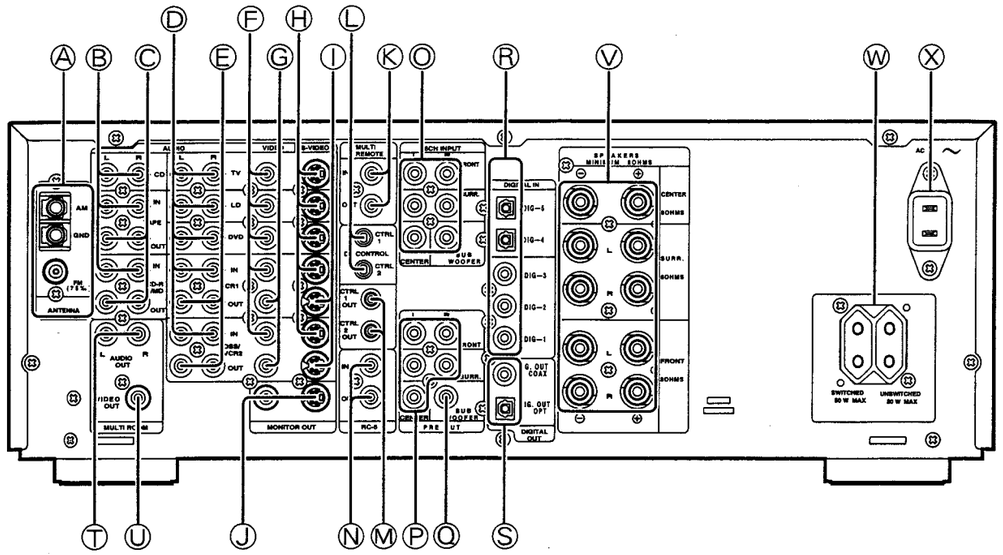
Español
Para ventilar la unidad no la instale en una estantería ni estante para libros, y tenga en cuenta lo siguiente:
- No toque la parte superior de la caja durante el funcionamiento.
- No tape las ranuras en la caja durante el funcionamiento
- No ponga objetos debajo de la unidad.
- No tape las ranuras de ventilación de la parte superior de la unidad. No ponga nada a menos de 1 metro por encima del panel superior.
- Deje un espacio de unos 0,2 metro alrededor de la unidad.

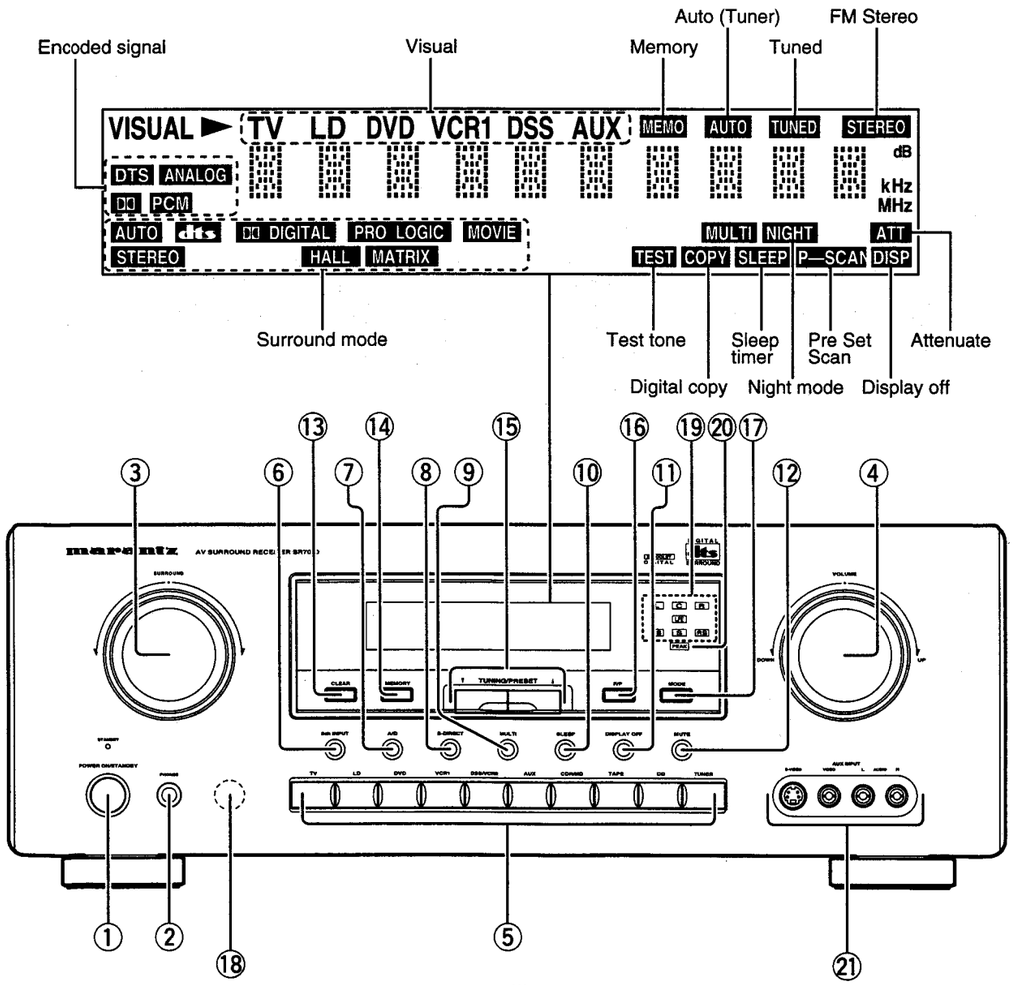
Italiano
Perch é l'unità possa essere sempre ben ventilata, non installarla in scaffali o librerie e tenere presente quanto segue.
- Non toccare la parte superiore del rivestimento durante il funzionamento.
- Non bloccare le aperture sul rivestimento durante il funzionamento.
- Non inserire oggetti al di sotto dell'unità.
- Non bloccare le fessure di ventilazione sopra l'unità. Non posare nulla per circa un metro sopra il pannello superiore.
- Lasciare 0,2 metro liberi tutto intorno l'unità.

Português
Para ventilar o aparelho, não instalá-lo dentro duma estante ou algo similar, e observar as seguintes recomendações:
- Não tocar a parte superior do aparelho durante a operação.
- Não bloquear as aberturas do aparelho durante a operação.
- Não insertar objectos debaixo do aparelho.
- Não bloquear as aberturas de ventilação na parte de cima do aparelho. Deixar um espaço completamente livre de cerca de 1 metro acima do painel superior.
- Deixar um espaço de cerca de 0,2 metro ao redor do aparelho.

Svenska
För att ventilera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.
- Vidrör inte ytterhöljets ovansida under pågående drift.
- Blockera inte öppningarna i ytterhöljet under pågående drift.
- Stick inte in föremål under enheten.
- Blockera inte ventialtionshålen ovanpå enheten. Placera inte någonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till att det finns omkring 0,2 meter fri plats runt omkring enheten.

Dansk
Anbring ikke apparatet i et rack eller en boghylde, da dette kan bloke luftcirkulationen omkring apparatet. lagttag ligeledes følgende:
- Berør ikke oversiden af kabinettet under anvendelsen.
- Bloker ikke åbningerne i kabinettet under anvendelsen.
- Stik ikke genstande ind under apparatet.
- Bloker ikke ventilationsåbningerne ovenpå apparatet. Anbring ikke noget nærmere end 1 m over apparatets overside,
- Sørg for, at der er et frit område på omkring 0,2 m omkring apparatet.


Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ Ⓘ Ⓚ Ⓛ Ⓞ Ⓡ Ⓥ Ⓦ Ⓧ
Ⓣ Ⓤ Ⓙ Ⓝ Ⓜ Ⓟ Ⓠ Ⓢ


Encoded signal
Visual
Memory
Auto (Tuner)
Tuned
FM Stereo
VISUAL ► TV LD DVD VCR1 DSS AUX
MEMO AUTO TUNED STEREO
dB
kHz
MHz
DTS ANALOG
PCM
AUTO dts DIGITAL PRO LOGIC MOVIE
STEREO HALL MATRIX
MULTI NIGHT ATT
TEST COPY SLEEP P—SCAN DISP
Surround mode
Test tone
Digital copy
Sleep timer
Night mode
Pre Set Scan
Display off
Attenuate
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑

TECHNICAL SPECIFICATIONS

FM TUNER SECTION

Frequency Range	87.5 - 108.0 MHz
Usable Sensitivity	IHF 1.8 µV/16.4 dBf
Signal to Noise Ratio	Mono/Stereo 76/72 dB
Distortion	Mono/Stereo 0.2/0.3 %
Stereo Separation	1 kHz 45 dB
Alternate Channel Selectivity	± 300 kHz 60 dB
Image Rejection	98 MHz 70 dB
Tuner Output Level	1 kHz, ± 40 kHz Dev 800 mV

AM TUNER SECTION

Frequency Range	LW: 152-282 kHz, MW: 531 - 1602 kHz
Signal to Noise Ratio	50 dB
Usable Sensitivity	Loop 400 µV
Distortion	400 Hz, 30 % Mod. 0.5 %
Selectivity	± 18 kHz 60 dB

AUDIO SECTION

Continuous Power Output (Individual)	8 ohms 100W / Ch
Front	8 ohms 100W / Ch
Center	8 ohms 100W / Ch
Surround	8 ohms 0.05 %
THD Front	
Input Sensitivity/Impedance	316 mV/ 47 Kohms
Linear	
Signal to Noise Ratio	105 dB
Linear	

VIDEO

Television Format	NTSC/PAL
Input Level/Impedance	1 Vp-p/ 75 ohms
Output Level/Impedance	1 Vp-p/ 75 ohms
Video Frequency Response	5 Hz to 8 MHz (– 1 dB)
S/N	60 dB

GENERAL

Power Requirement	AC 230 V 50 Hz
Power Consumption (STEREO MODE RATED POWER)	360 W
Dimension (MAX)	
Width	440 mm
Height	159 mm
Depth	460 mm
Weight	14.5 Kg

ACCESSORIES	
Remote Control Unit RC7000SR	1
AA-size batteries	2
FM Feeder Antenna	1
FM Antenna Converter	1
AM Loop Antenna	1

Specifications subject to change without prior notice.

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AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Fugnerova 1, 67801 Blansko, Czech Republic
DENMARK	Hi-Fi Klubben Denmark	Aboulevarden 1, DK-8000 Arhus C., Denmark
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F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonija
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LEBANON	AZ Electronics S.A., 1,	P.O. Box 11 2833, Beirut, Lebanon
LITHUANIA	A Accapella Ltd.	Ausros, Vartu G5, Pasazo Skg., 2001 Vilnius, Lithuania
MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	102 Jalan SS 21/35, Damansara Utama, 47400 Petaling Jaya, Selangordarul Ehsan, Malaysia
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